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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 15th January 1994

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पेटेंट कार्यालय

एकस्य तथा अभिकल्प

कलकत्ता, दिनांक 15 जनवरी 1994

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोन्डी इस्टेट,
तीसरा तल, लोअर परले (पश्चिम),
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य
क्षेत्र एवं संघ शासित क्षेत्र गोवा, वमन तथा
दीप एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110005 ।

अरिगाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य
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मिन्निकाय तथा एमिनिदिव द्वीप ।

तार पता—“पेटेंटॉफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निराम पीसेस, द्वितीय बहुसलीय कार्यालय,
भवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्रूस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1971 में अप्रे-
क्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रत्येक पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे ।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा
उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा
आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान
के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE AT 234/4, ACHARYA JAGADISH BOSE ROAD CALCUTTA-20.

The dates shown in the crescent bracket are the dates claim-
ed under section 135, of the patents Act, 1970.

25th November 1993

- 727/Cal/93. John Lysaght (Australia) Limited. Anti-corro-
sion treatment of aluminium or aluminium alloy
surfaces. (Convention No. PL 6051 dated
26-11-92 in Australia).
- 728/Cal/93. Terence Hartley. Safety Lampholder for a
Bayonet bulb. (Convention No. 9224727.9 dated
25-11-92 in U.K., Convention No. 9226023.1 dated
14-12-92 in U.K., Convention No. 9300918.1 dated
19-01-93 in U.K. and Convention No. 9311763.8
dated 08-06-93 in U.K.).

26th November 1993

- 729/Cal/93. Polar Fan Industries Ltd. Improved ceiling fan.
- 730/Cal/93. F. H. Faulding & Co. Limited. Injectable com-
position. (Convention No. PL 6074 dated 27-11-92
in Australia).
- 731/Cal/93. John Lysaght (Australia) Limited. Metal strip
casting. (Convention No. PL 6083 dated 30-11-92
in Australia).
- 732/Cal/93. Rakhal Chandra Kar. Solid fuel fired, massive
energy efficient, mechanised, bakery oven/s and the
like.

30th November 1993

- 733/Cal/93. Copeland Corporation. Scroll Machine with re-
verse rotation protection.
- 734/Cal/93. Trutzschler GMBH & Co. KG. A device in a
carding machine for the removal and collection of
a card web coming out of a delivery mechanism of
a carding machine.
- 735/Cal/93. Engelhard Corporation. Composition for pas-
sivating vanadium in catalytic cracking and pre-
paration thereof.
- 736/Cal/93. (1) Jong-oh RA, and (2) Joon-young Lim.
Stepless automatic variable transmission.
- 737/Cal/93. Bodgan Vuletic. Process for producing pig iron
from iron ores, and appliance for the thermal and/
or chemical treatment of a readily disintegrating
material or for producing pig iron by means of
said process.
- 738/Cal/93. Eimatsu Kanzaki. Method for harmless pro-
cessing polybiphenyl chloride.
- 739/Cal/93. Sunil Baran Dar. Gravkar-fuel-less engine run
by gravitational power.

1st December 1993

- 740/Cal/93. (1) Jorma Jarvela, (2) Vesa Jarvela. Drilling
apparatus.
- 741/Cal/93. General Clutch Corporation. A spring clutch
assembly with reduced radial bearing forces.

742/Cal/93. Patent-Treuhand-Gesellschaft F. Elektrische Gluehlampen Mbh. Low-pressure discharge lamp and method of its manufacture. (Convention No. 2107942 dated 7-10-93 in Canada.)

2nd December 1993

743/Cal/93. Kun-Hee Suh. Continuous building materials moulding device.

744/Cal/93. Oddisi Research Laboratory Ltd. Production of Tachypleus am enocyte lysate (TAL).

745/Cal/93. Nelly Kamel Rizk. A composition and apparatus for cooling and a method of cooling. (Convention No. 9225593.4 dated 8-12-92 in Great Britain Convention No. 9314065.5 dated 7-7-93 in Great Britain, Convention No. 9321561.4 dated 19-10-93 in Great Britain).

746/Cal/93. Marquette Electronics, INC. Control for computer windowing display.

747/Cal/93. Hoechst Aktiengesellschaft. Copper complex formazan compounds, preparation thereof and use thereof as dyes. (Divided out of No. 95/Cal/90 antedated to 2-2-90).

748/Cal/93. Patent-Treuhand-Gesellschaft F. Elektrische Gluehlampen MBH. Low-pressure discharge lamp. (Convention No. 2,096,073 dated 12-5-93 in Canada).

749/Cal/93. Hoechst Aktiengesellschaft. Copper complex formazan compounds, preparation thereof and use thereof as dyes. (Divided out of No. 95/Cal/90 antedated to 2-2-90).

750/Cal/93. Hoechst Aktiengesellschaft. 4-Hydroxy-2, 3, 5-trifluorobenzoic acid and a process for its preparation.

751/Cal/93. Phillips Petroleum Company. Process for catalyst for alkylation of hydrocarbons.

3rd Decemer 1993

752/Cal/93. Hoechst Aktiengesellschaft. Water-soluble anthraquinone compounds, preparation thereof and use thereof as dyes.

753/Cal/93. North Broken Hill Limited. A Process for pelleting particles of alkali metal ferrite.

754/Cal/93. Pannevis B.V. Continuously Operating Filtering Device.

755/Cal/93. Saber Equipment Corporation. Electrical Connector and fuel dispensing hose with electrical conduit fuel dispensing system.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR, SUN MILL COMPOUND, LOWER PAREL (W), BOMBAY-13.

25th October 1993

341/BOM/93. Shrirang Waman Deshpande. An improved tooth brush.

26th October 1993

342/BOM/93. Mr. Gerd Ebert, Mr. Thomas Seitz & Mr. Werner Amler. Sewing thread fabric sewn thereby and method for obtaining stitched connections.

343/BOM/93. Hindustan Lever Ltd. U.K. Priority dt. 27-10-92. Detergent Composition.

344/BOM/93. Hindustan Lever Ltd. U.K. Priority dated 30-10-92. Cosmetic composition.

345/BOM/93. Hindustan Lever Ltd. Preparation of organic microcyclic compounds.

346/BOM/93. Jark Electricks. Sensitivity controlled remote (Clap) switch.

27th October 1993

347/BOM/93. Rajan Bhogate. Improved '15-puzzle' with novel inter-locking slider mechanism and method of making the same.

348/BOM/93. Rajan Bhogate. Improved cube puzzle with novel inter-locking clock-chips mechanism and method of making the same.

349/BOM/93. Chittilappally Antony Joseph. A toy bird.

350/Bom/93. Dilip Shantaram Dahanukar. Pre-fabricated dry weed free & bacteria free sterile lawn tile and a method of manufacturing and laying such lawn tiles for growing natural lawn carpetson top of earth soil bed in gardens/parks/roof top building terraces.

351/BOM/93. Dilip Shantaram Dahanukar. Attachment for pressure operated sprayers for spraying liquid spray solution charged with positive ions.

28th October 1993

352/BOM/93. Centre for Development of advanced Computing. A device which allows character oriented software on a personal computer to be used with multiple languages.

353/BOM/93. Centre for Development of advanced Computing. A method of forming fonts for Devnagari and other Indian Scripts.

354/BOM/93. Hindustan Lever Ltd. Silicas.

29th October 1993

355/BOM/93. Anand Vasant Bam. A device for dispensing measured quantity of liquids.

356/BOM/93. Cedila Laboratories Ltd. A process for the preparation of pharmaceutical composition having increased therapeutic efficacy.

1st November 1993

357/BOM/93. Dr. Vijay Purushottam Godbole & Mohan J. Bhide. Anovel method for depositing diamond films on various substrates.

358/BOM/93. Mrs. Mandakini Viswanath Hukerikar & Miss Yogini V. Hukerikar. Talking typewriters.

359/BOM/93. Vijay Govind Gokhale. Precast reinforced cement concrete panels for construction of structures resistant to shocks and vibrations due to earth quakes.

360/BOM/93. Dr. Pal Ramprasad Balikaran. Single inoculation multimedia (SIM) blood culture unit.

1st November 1993

361/BOM/93. Dr. Pal Ramprasad Balikaran. Single inoculation multimedia (SIM) TB Culture and sensitivity Unit.

3rd November 1993

362/BOM/93. Thermax Ltd. A method for removal of colour from the effluent discharged by textile/dye mills for recycling water for use in processing operation and an apparatus therefor.

363/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (I).

364/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (II).

365/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (III).

366/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (IV).

- 367/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (V).
- 368/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water, for purification thereof (VI).
- 369/BOM/93. Ahmedabad Textile Industry's Research Association. Process for treatment of waste water for purification thereof (VII).

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

1st November 1993

- 774/MAS/93. K. H. Thomas. Pilot air remote control system.
- 775/MAS/93. Sree Chitra Tirunal Institute for Medical Science & Technology. A biocompatible sponge.
- 776/MAS/93. Cogifer-Compagnie Generale D'Installations Ferroviaires. Improved point rail for switching gear.
- 777/MAS/93. Pall Corporation. Battery separators.

3rd November 1993

- 778/MAS/93. Monsanto Company. A process for preparing herbicidally-active compounds. (Divisional to Patent Application No. 173/MAS/92; Ante-dated to March 18, 1992).
- 779/MAS/93. Otto WU. A colourful massaging ball structure.
- 780/MAS/93. Institut Francais Du Petrole. Improved method for recovery of alkali metal or alkaline-earth metal terephthalate and or alkylene glycol from polyethylene terephthalated.
- 781/MAS/93. Derry D. Sparlin and Tadayoshi Nagaoka. Permeable isolation sectioned screen.
- 782/MAS/93. Foundation pour la recherche des maladies gastro-intestinales : Urease-based vaccine against helicobacter infection.
- 783/MAS/93. GEC Alsthom India Limited. A device for determining the distance to a fault occurring at any location between two predefined buses of a transmission line configuration having one or more three phase lines.
- 784/MAS/93. Monsanto Company. A process for preparing herbicidally-active compounds. (Divisional to Patent Application No. 173/MAS/92; Ante-dated to March 18, 1992).

4th November 1993

- 785/MAS/93. Procyte Corporation. Stable copper (I) complexes and methods related thereto.
- 786/MAS/93. Novo Nordisk Entotech Inc., Potentiator of Bacillus Pesticidal Activity.

5th November 1993

- 787/MAS/93. Sturm Ruger & Company, Inc., Automatic pistol ejector mounted in frame and interlocking with hammer pivot pin.
- 788/MAS/93. Courtaulds Coatings (Holdings) Limited. Powder coating compositions and their use. (November 6, 1993; United Kingdom).

8th November 1993

- 789/MAS/93. S. V. Murthy and M. V. Raykar. Rechargeable pentorch cell into bigger sizes conversion kit.
- 790/MAS/93. Uncle Bon's Inc., Parboiled rice product and method of making same.
- 791/MAS/93. risco-Findus AG. Method and device for cake production.

- 792/MAS/93. Huls Aktiengesellschaft. Process and apparatus for the preparation of potash.

- 793/MAS/93. ELF Atochem S. A. Process for the preparation of thermoplastic elastomeric block copolymers derived from conjugated dienes and methyl methacrylate, with improved heat resistance, and products obtained.

9th November 1993

- 794/MAS/93. Pagadalu Gopal Gangadharan. Hot heater paddy rice assortment drier plant etc.
- 795/MAS/93. C. R. Sahasranaman & C. S. Vijaykumar. Solar thermal energy device.
- 796/MAS/93. Dana Corporation. Centar Bearing bracket and support.
- 797/MAS/93. Dana Corporation. A piston ring.
- 798/MAS/93. Raychem Limited. Communications channel testing arrangement (November 2, 1992; Great Britain).
- 799/MAS/93. Asea Brown Boveri Ltd. Stabilizing device for extending the characteristic diagram of a compressor.

- 800/MAS/93. Zonagen, Inc., Materials and methods for immunocontraception.

10th November 1993

- 801/MAS/93. Zellweger Uster Inc., Direct control of fiber testing or processing performance parameters by application of controlled, conditioned gas flows.
- 802/MAS/93. Zellweger Uster, Inc., Acquisition, measurement and control of thin webs on in-process textile materials.
- 803/MAS/93. Zellweger Uster, Inc., Continuous two dimensional monitoring of thin webs of textile materials.
- 804/MAS/93. Zellweger Uster, Inc., Methods for optimally controlling fiber processing machines.
- 805/MAS/93. Zellweger Uster, Inc., Needle-based apparatus for individualizing fibres and other textile entities for testing purposes.
- 806/MAS/93. Zellweger Uster, Inc., Methods and apparatus for mechanically and electrocally correcting presentation of enties in a fluid flow.
- 807/MAS/93. Zellweger Uster Inc., Apparatus and methods for measurement and classification of generalized neplike entities in fiber samples.
- 808/MAS/93. Zellweger Uster, Inc., Apparatus and method for measurement and classification of trash in fiber samples.

11th November 1993

- 809/MAS/93. Monsanto Company. Catalysts for the production of maleic anhydride containing vanadium-phosphorus oxide with selected promotor elements.
- 810/MAS/93. DSM N.V., Binder composition for powder pains.
- 811/MAS/93. Chevron Research and Technology Company. Dehydrogenation using sulfur zeolite catalyst.
- 812/MAS/93. Union Oil Company of California. Plant growth regulators.

12th November 1993

- 813/MAS/93. Indian Institute of Technology. A hollow block structural system.
- 814/MAS/93. Hong-Yuan Chen. A comb,
- 815/MAS/93. Maschinenfabrik Rieter AG A spinning machine.

15th November 1993

- 816/MAS/93. Qualcomm Incorporated. Pilot carrier dot product circuit.
- 817/MAS/93. Qualcomm Incorporated. Tractor-trailer electronic transmission path.
- 818/MAS/93. China Petro-Chemical Corporation and Jingling Petrochemical Company. A dehydrogenating catalyst for saturate hydrocarbons.

17th November 1993

- 819/MAS/93. Hoechst Aktiengesellschaft. Gaanidinealkyl-1, 1-bisphosphonic acid derivatives, process for their preparation and their use.
- 820/MAS/93. Sanyo Electric Co., Ltd., Refrigerator.
- 821/MAS/93. Schaaf Technologie GmbH. Cooker extruder for manufacturing thermally processed biopolymers as well as process for cooking extrusion of biopolymers.
- 822/MAS/93. Anumantapalli Sathya Narayanan. A device for working an engine such as automobile engine with liquid petroleum gas.

18th November 1993

- 823/MAS/93. The South India Textile Research Association. A device for and a method of spinning yarn from multiple rove ends and yarn spun thereby.
- 824/MAS/93. Chih Ching Hsieh. Fastener driver.
- 825/MAS/93. Zeppelin Schuttguttechnik GmbH. Device for setting a prescribed gas quantity.
- 826/MAS/93. Sirprogetti S.r.l., A building block, a process for its manufacture and a building structure produced using these blocks.

19th November 1993

- 827/MAS/93. Dr. P. Sivaprasad. A process for the treatment of solid wastes containing cyanides from metallurgical processes.
- 828/MAS/93. Dr. P. Sivaprasad. A process for nondestructive method for the detection of plated gold jewellery from pure gold jewellery.
- 829/MAS/93. Dr. P. Sivaprasad. A process for efficiently designed brush made of mouldable plastics for removing deposits on water filter candles.
- 830/MAS/93. Dr. Parvatham Sivaprasad. A process for recycling of cine film processing waste solutions of developer, bleach and fixers.
- 831/MAS/93. The South India Textile Research Association. A device for controlling fibre movement in the break draft zone of speed frames and speed frames provided with said device.
- 832/MAS/93. CPC International Inc., Flavoured yeast extracts. (December 2, 1992; Great Britain).

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निगम की तिथि से चार (4) महीने या अधिक ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संबंध में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।”

रूपांकन (चित्र आरखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरखे कागजों को जोड़कर उसे 2 से गुणा करके; (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिकलन किया जा सकता है।

Ind. Cl.: 55B₂.

172961

Int. Cl.⁴: A01N 33/02.

PROCESS FOR THE PREPARATION OF COMPOSITION FOR DEFOLIATION OF PLANTS.

Applicant: SCHERING AKTIENGESSELLSCHAFT. A GERMAN BODY CORPORATE, OF POSTFACH 650311, D-1000 BERLIN 65, WEST GERMANY.

Inventor: REINHART RUSCH.

Application for Patent No. 1072/Del/87 filed on 14 Dec 1987.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of a composition for defoliation of plants comprising mixing a mixture of the components

(A) 1-phenyl-3-(1, 2, 3-thiadiazol-5-yl) urea,

(B) a carboxamide or tributyl phosphate and

(C) 3-(3, 4-dichlorophenyl)-1, 1-dimethylurea optionally in the presence of a carrier of the kind such as herein described characterised in that said mixture comprises for each part by weight of component A, 1 to 500 parts by weight of component B and 0.1 to 50 parts by weight of component C.

Compl. Specn. 22 Pages.

Drugs Sheet Nil

Ind. Cl. : 55D.

172962

Int. Cl. : A01N 25/10, 37/02.

A PROCESS FOR PREPARING AN AQUEOUS BIOCIDIC COMPOSITION.

Applicant : MITSUI TOATSU CHEMICALS, INC. A JAPANESE COMPANY, OF 2-5, KASUMIGASEKI 3-CHOME, OHYODA-KU, TOKYO, JAPAN.

Inventor : YUTAKA KUBOTA, SEIICHI SHIMONO, TETSUO YANAMI, TETSUJI IVASAKI, KAZUHIKO KURITA.

Application for Patent No. 530/Del/88 filed on 20 June 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

7 Claims

A process for preparing an aqueous biocide composition which comprises blending and kneading 10 to 60 wt. % of a waterinsoluble, biocidally active substance such as herein described in the form of fine particles having an melting point in the ranges of 15 to 70°C with 0.01 to 30 wt. % of a phthalate in order to obtain a mixture thereof heating and adding to said mixture 0.001 to 10 wt. % of a water-soluble or water-dispersible polymer comprising one or more indispensable monomer units selected from the group consisting of an unsaturated carboxylic acid or its derivative and water to obtain an aqueous dispersion of said particles.

Compl. Specn. on pages 22.

Drugs. 1 sheet

Ind. Cl. : 32 F3.

172963

Int. Cl. 4 : C 07 C 49/16.

PROCESS FOR THE PREPARATION OF AN α -FLUORINATED KETONE.

Applicant : CIBA-GEIGY AG OF KLYBECKSTRASSE 141 4002 BASLE, SWITZERLAND, A SWISS CORPORATION.

Inventor : BRUNO SCHAUB.

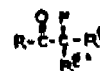
Application for Patent No. 538 Del/88 filed on 21st June, 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

(Claims 16)

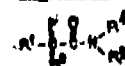
A process for the preparation of an α -fluorinated ketone of the formula I of the drawing :—

Formula I



in which R is linear or branched C_1 - C_{18} alkyl, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl; cycloalkyl or cycloalkenyl which has 3 to 8 ring C atoms and which may be substituted by C_1 - C_{12} alkyl; heterocycloalkyl or heterocycloalkenyl which has 3 to 7 ring members, is bonded to the CO group via a C atom, contains heteroatoms from the series comprising O, S and N and may be substituted by C_1 - C_{12} alkyl; C_1 - C_{18} alkyl, C_2 - C_{18} alkenyl or C_2 - C_{18} alkynyl which is substituted by this cycloalkyl, cycloalkenyl, heterocycloalkyl or heterocycloalkenyl; C_6 - C_{14} aryl, C_7 - C_{18} alkaryl or aralkyl, C_8 - C_{18} alkaralkyl, -aralkenyl or -aralkynyl, C_9 - C_{18} -alkar-alkenyl or -alkaralkynyl; heteroaryl having 5 or 6 ring atoms which contains heteroatoms from the series comprising O, N and S and may be substituted by C_1 - C_{12} alkyl; or C_1 - C_{18} alkyl, C_2 - C_{18} alkenyl or C_2 - C_{18} alkynyl which is substituted by this heteroaryl; this radical R being unsubstituted or substituted by phenyl, phenyl- C_1 - C_4 alkyl, phenoxy, phenyl thio, benzyloxy, benzythio, C_5 - or C_6 - cycloalkyl, C_5 - or C_6 cycloalkoxy, C_5 - or C_6 cycloalkylthio, C_1 - C_{12} alkoxy, C_1 - C_{12} alkylthio, -halogen, - NO_2 , secondary amino, C_1 - C_{12} acyl, C_1 - C_{12} acylamino, C_1 - C_{12} aminocarbonyl, R_3^3 Sio-where R^3 is phenyl, benzyl or C_1 - C_8 alkyl, -O- C_1 - C_4 alkylene-O- or -S- C_1 - C_4 -alkylene-S-, R^1 and R^2 , independently of one another, are H, halogen, C_1 - C_{18} alkyl, cycloalkyl or cycloalkenyl having 3 to 8 ring carbon atoms, C_6 - C_{14} aryl, C_7 - C_{18} alkaryl or -aralkyl, C_8 - C_{18} alkaralkyl, -aralkynyl or -alkaralkyl, C_9 - C_{18} alkaralkenyl or -alkaralkynyl, C_2 - C_{18} alkenyl, C_2 - C_{18} alkynyl, heterocycloalkyl or heterocycloalkenyl having 3 to 7 ring members, or heteroaryl having 5 or 6 ring members and heteroatoms from the series comprising N, O and S; C_1 - C_{18} alkyl, C_2 - C_{18} alkenyl or C_2 - C_{18} alkynyl which is substituted by the cycloalkyl, heterocycloalkyl, heterocycloalkenyl or heteroaryl mentioned, where R^1 and R^2 are unsubstituted or may be substituted as defined for R, which comprises reacting a carboxamide of the formula II of the drawing :

Formula II

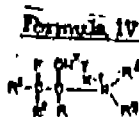


in which R^1 and R^2 are as defined above, R^4 is C_1 - C_6 alkyl- $\text{X}-\text{C}_n\text{H}_{2n-2}$ in which X is -O- or -N(C_1 - C_{12} alkyl)- and n is a number from 2 to 4, R^5 is C_1 - C_{12} alkyl or C_1 - C_{12} alkyl- $\text{X}-\text{C}_n\text{H}_{2n-2}$, or R^4 and R^5 , together with the N atom to which they are bound, are a saturated or unsaturated heterocyclic ring having 5 to 7 ring members which contains a total of at least 2 heteroatoms from the series comprising O, S and NR⁶ and is unsubstituted or substituted by C_1 - C_6 alkyl, and where R^6 is C_1 - C_6 alkyl, phenyl, C_1 - C_{12} alkylphenyl, benzyl or C_1 - C_{12} alkylbenzyl, in an inert solvent with a compound of the formula III :—

Formula III



in which R is as defined above, Y is halide, M^x is a metal ion from the series comprising Li^+ , Na^+ , K^+ , Rb^+ , Mg^{2+} , Cd^{2+} , Cu^+ , Cu^{2+} , Al^{3+} , Ti^{4+} and Sn^{4+} and x is the valency of the metal ion, to form a compound of the formula IV of the drawing:—



in which R, R^1 , R^2 , R^3 , R^4 , R^5 , M^x , Y and x are as defined above, and hydrolysing in a manner per se the compound of the formula IV:—

to form a compound of the formula I.

(Complete Specn. 27 pages

Drg. 5 sheet)

Ind. Cl.: 83 A 2 [XIV(5)].

172964

Ind. Cl.⁴: A23C, 9/00, 23/00.

PROCESS FOR COAGULATING CAMEL'S MILK.

Applicant: BIO SERAE LABORATORIES SARL, OF 2, RUE DES TENDES, 12400 SAINT AFFRIQUE, FRANCE, A FRENCH COMPANY.

Inventor: JEAN-PAUL RAMET.

Application for Patent No. 1005/Del/88 filed on 18 Nov. 1988.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A process for coagulating camel's milk which comprises adding to said milk a milk-curdling enzyme of the kind described herein and one or more water-soluble or partially water-soluble neutral or acidic calcium salts, said salts being added to said milk simultaneously with or subsequent to the addition of said enzymes.

(Compl. Specn. 19 pages

Drg. 1 sheet)

Ind. Cl.: 32. F1, 55 D2.

172965

Int. Cl.: C07. C. 61/04.

A PROCESS FOR THE PREPARATION OF PARA SUBSTITUTED BENZYL (\pm) CIS 2, 2-DIMETHYL-3-(2, 2-DICHLOROVINYL) CYCLOPROPANE CARBOXYLATES, HIGHLY POTENT INSECTICIDES BELONGING TO THE SYNTHETIC PYRETHROIDS GROUP.

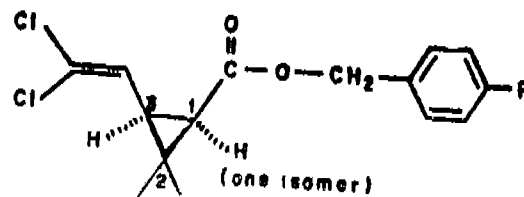
Applicant(s): COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.

Inventor(s): GURUNATH HANUMANTRAO KULKARNI, DWARKANATH GOVIND PANSE AND RAJAN HIRALAL NAIK.

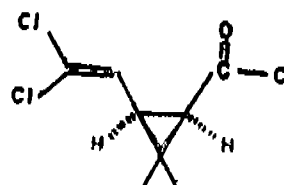
Application for patent No. 285/DEL/89 filed on 28 Mar. 89.

4 Claims

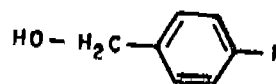
A process for the preparation of p-substituted benzyl (\pm) cis 2, 2-dimethyl-3-(2, 2-dichlorovinyl) cyclopropane carboxylates of the formula I.



where in R is F, NO_2 , CH_3 , OCH_3 , which comprises reacting a solution of (\pm) cis 2, 2-dimethyl-3-(2, 2-dichlorovinyl) cyclopropane carboxylic acid chloride of formula II.



and p-substituted benzyl alcohol of formula III



(where R has the same meaning as given above) in an inert organic solvent with an organic base initially at $0^\circ \text{ to } 5^\circ \text{ C}$ for two hrs and then at room temperature for 6 hrs under stirring, washing the organic layer with dilute HCl to free it from organic base then by water and distilling of the inert organic solvent.

(Complete Specification 10 Pages

Drawing sheet 1)

Ind. Cl.: 83 A1-XIV(5).

172966

Int. Cl.⁴: A 23 L, 1/10.

A PROCESS FOR THE PREPARATION OF CEREAL BASED LOW ALCOHOLIC BEVERAGE.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001.

Inventors: TUMKUR RAMACHANDRIAH SHAMALA AND KONERIPATTI RAMASESHAN SREEKANTIAH.

Application for Patent No. 346/Del/89 filed on 19 Apr. 1989.

Complete Specification left on 26 Dec. 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for the preparation of cereal based low alcoholic beverage which comprises:

(i) preparing a slurry of rice flour by mixing the rice flour with water.

(ii) treating the said slurry with α -amylase at a temperature of 80°C for 30 minutes then cooling to 55 to 60°C .

(iii) treating the cooled slurry with acid to bring down PH to 4.5 followed by amyloglucosidase at 55 to 60°C, then filtering & centrifuging to get clear filtrate.

(iv) diluting the filtrate to have 10 to 12% sugars in filtrate & adjusting PH to 6.5 conventional methods.

(v) mixing the said filtrate with $(\text{NH}_4)_2 \text{SO}_4$ & $\text{KH}_2 \text{PO}_4$ or $(\text{NH}_4)_2 \text{HPO}_4$ followed by pasteurising.

(vi) fermenting, the pasteurised filtrate by adding an inoculum containing *Saccharomyces cerevisiae*, *schizo saccharomyces* Pambe, *Zymomenas mobiles* *Leuconostoc dextranum* and *Acetobactor aceti* at room temperature for 30—48 hrs to get the said beverage.

Provisional Specification 10.

(Compl. Specn. 13

Drg. Sheet Nil)

(Ind. Cl. : 32 F2(b).

172967

Int. Cl. 4 : C07D 223/16.

A PROCESS FOR PREPARING A BENZAZEPINE AND BENZOTHIAZEPINE COMPOUND.

Applicant : E. R. SQUIBB & SONS, INC, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA. OF LAWRENCEVILLE-PRINCETON ROAD, PRINCETON, NEW JERSEY 08543-4000, UNITED STATES OF AMERICA.

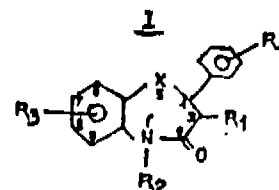
Inventor(s) : DAVID FLOYD, JOHN THOMAS HUNT, SPENCER DAVID KIMBALL JOHN KRAPCHO, JAGABANDHU DAS, GEORGE CHARLES ROVNYAK AND JOEL CHARLES BARRISH.

Application for patent No. 483/DEL/89 filed on 1 JUN 1989.

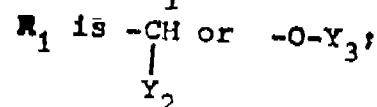
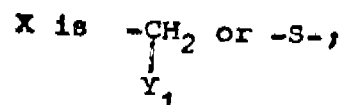
Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

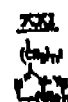
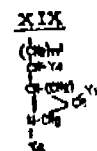
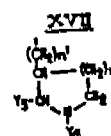
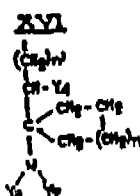
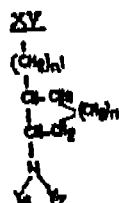
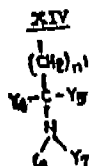
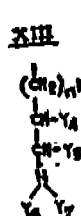
A process for preparing a benzazepine and benzothiazepine compound of the formula I as shown in the accompanying drawings

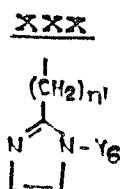
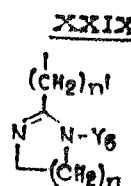
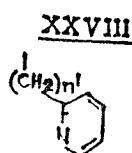
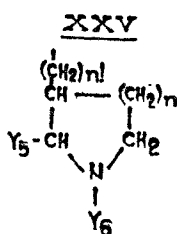
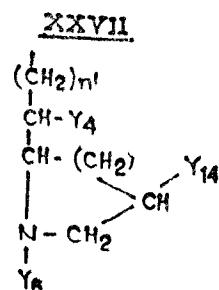
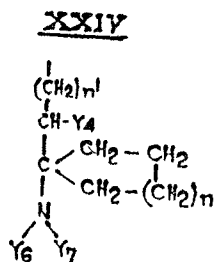
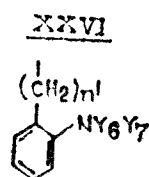
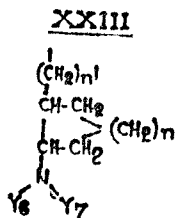
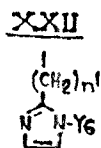


and the pharmaceutically acceptable salts thereof, wherein



with the proviso that then X is $-\text{CH}_2-$, R₂ is a radical of the formulae XIII, XIV, XV, XVI, XVII, XVIII, XIX, XX, XXI, OR XXII; and when X is $-\text{S}-$, R₂ is a radical of the formulae XXIII, XXIV, XXV, XXVI, XXVII, XXVIII, XXIX OR XXX OF the accompanying drawings,





R_3 and R_4 are each independently hydrogen, halogen, alkyl, alkoxy, aryloxy, arylalkoxy, arylalkyl, cyano, hydroxy,

alkanoyloxy, $-O-\overset{\text{O}}{\parallel}C-NY_8Y_9$, fluoro substituted alkoxy, fluoro substituted alkyl, (cycloalkyl) alkoxy, $-NO_2$, $-NY_{10}$ Y_{11} ,

$-S(O)_m$ alkyl, $-S(O)_m$ aryl, $-\overset{\text{O}}{\parallel}C-Y_{12}$ or $-\overset{\text{O}}{\parallel}C-Y_{13}$,

n or n' are independently 0, 1, 2, or 3,
 m is 0, 1 or 2;

Y_1 and Y_2 are independently hydrogen or alkyl, Y_1 is hydrogen and Y_2 is alkenyl, alkynyl, aryl, heteroaryl, or cycloalkyl, or Y_1 and Y_2 together with the carbon atom to which they are attached are cycloalkyl;

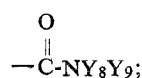
Y_3 is hydrogen, alkyl, alkanoyl, alkonyl, arylcarbonyl, heteroarylcarbonyl, or $-\overset{\text{O}}{\parallel}C-NY_8Y_9$;

Y_4 and Y_5 are each independently hydrogen, alkyl, aryl or arylalkyl, provided that when both are present they are not both hydrogen, and provided further that when both are attached to the same carbon atom neither of them is hydrogen;

Y_6 and Y_7 are each independently hydrogen, alkyl, cycloalkyl or arylalkyl, or Y_6 and Y_7 together with the nitrogen atom to which they are attached are azetidyl, pyrrolidinyl, piperidinyl, or morpholinyl;

Y_8 and Y_9 are each independently hydrogen, alkyl, aryl or heteroaryl, or Y_8 and Y_9 together with the nitrogen atom to which they are attached are pyrrolidinyl, piperidinyl or morpholinyl;

Y_{10} and Y_{11} are each independently hydrogen, alkyl, alkanoyl, arylcarbonyl, heteroarylcarbonyl, or



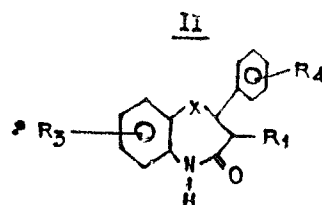
Y_{12} is hydroxy, alkoxy, aryloxy, amino, alkylamino or dialkylamino;

Y_{13} is alkyl, alkoxy or aryloxy; and

Y_{14} is hydroxy, alkoxy, aryloxy or arylalkoxy;

which process comprises

treating a compound of the formula II of the accompanying drawings



wherein R_1 , R_3 and R_4 are as defined above with a base such as herein described in a solvent such as herein described and thereafter,

reacting the so-treated compound with a compound of the formula R_2-L or a protected form thereof, wherein R_2 is as defined above, wherein L is a leaving group such as halo or tosyloxy, to provide the corresponding desired products of Formula I and if desired converting in any known manner, said compound of Formula I into then pharmaceutically acceptable salts

(Complete specification 161 pages and Drawing 10 sheet)

Ind. Cl.: 32 F₁ E, 32F_{2a}

172968

Int. Cl.: C07C 47/52, 47/54.

AN IMPROVED PROCESS FOR THE PREPARATION OF MONO & DIHALOSUBSTITUTED DERIVATIVES OF ORTHO-AMINOBENZALDEHYDE FROM THE CORRESPONDING HYDRAZIDES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH.

Inventor(s) NAGARAJ RAMANUJ AYYANGAR, VISHNU HARIDESH PANDE, ASHOK RAMCHANDRA MEHENDALE, RADHIKA DILIP WAKHARKAR & DILIP GANESH KULKARNI.

Application for Patent No. 590/Del/89 filed on 6 Jul. 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved process for the preparation of mono and dihalosubstituted derivatives of ortho amino-benzaldehyde of the formula shown in fig. A.

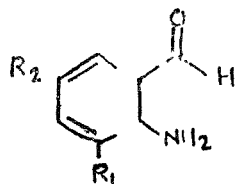


FIG A

where R₁ and R₂ may be same or different and represent hydrogen, bromine or chlorine, which comprises oxidising the corresponding hydrazides of the formula shown in fig. C.

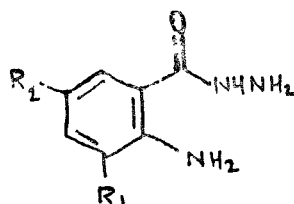


FIG C

by treatment with alkali metal ferricyanide oxidation in the presence of mild alkali such as herein described for a period of 2-8 hours at a temperature of 10 to 50°C in neutral hydroxy solvents such as herein described and filtering the reaction mixture.

(Compl. Specn. 12 Pages)

(Drg. 1 sheet)

Ind. Cl.: 32 F_{1b}

172969

Int. Cl.: C12P 7/48, 7/50.

AN IMPROVED PROCESS FOR THE MICROBIAL PRODUCTION OF FUNGAL METABOLITES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860) AND UNIVERSITÄT DORTMUND, 4600-DORTMUND-50 (FRG) HEREBY DECLARE.

Inventors: GHULAM NABI QAZI, CHARANJEET LAL CHOPRA, ULFERT ONKEN, MICHAEL TREAGER.

Application for Patent No. 671/Del/89 filed on 28 Jul. 1989

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

4 Claims

An improved process for the production of fungal metabolites such as hereinafter described which comprises fermenting nutrient broth by cultivating the microorganisms such as aspergillus, penicillium and rhizopus in a nutrient medium having pH in the range of 5.5 to 7.5 contained in a loop reactor in which the broth is circulated through the riser and down corner sections of the reactor by means of air supplied at the bottom of the riser section of the reactor, characterised the circulation time of the liquid broth in the loop being in the range of 1 to 4 minutes and the dissolved oxygen content at the bottom of the riser section of the reactor being over 130% of normal saturation with the air and that at the bottom of the down corner being not less than 60% of the normal saturation with the air and recovering metabolites by conventional methods after discontinuing fermentation.

(Compl. Specn. 11 pages)

Ind. Cl.: 32F_{2(a)} & 55E₂ & E₄

172970

Int. Cl.: C07C-33/14.

A PROCESS FOR THE PREPARATION OF 2-AMINO-1-PHENYL-L-PROPANOL (PHENYLPROPANOLAMINE B.P.).

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

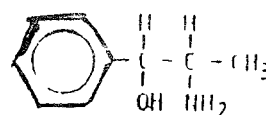
Inventor(s): PREMA MUTHU SUBRAMANIAN, SUNIL KRISHNA CHATTERJEE, MAHESH CHANDER BHATIA.

Application for Patent No. 829/Del/89 filed on 15 Sep. 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

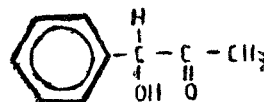
8 Claims

A process for the preparation of 2-amino-1-phenyl-L-propanol (phenyl propanol amine BP) having the formula II shown in the drawing



II

accompanying this specification which comprises preparing 1-hydroxy-1-phenyl-2-propanone of the formula I



I

by fermenting cane sugar molasses and fertilizer grade urea with yeast using benzaldehyde as a substrate at a temperature in the range of 29-32°C under continuous stirring, hydrogenating the resultant 1-hydroxy-1-phenyl-2-propanone in the presence of a Raney nickel catalyst, an organic solvent

and ammonia at a pressure ranging from 40-60 psi, neutralising the mixture to a pH of 5-6 and drying the resultant product.

(Compl. Specn. 10 Pages)

Drg. 1 sheet)

Ind. Cl : 141 E.

172971

Int. Cl.4: C22 B 1/22.

A PROCESS FOR SINTERING OF CHROMITE FINES AND CONCENTRATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001 INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : GOPINATH BANRJEE, SARAT CHANDRA RAY, RATNA DAS GUPTA, DIPENDRA NARAYAN DEY, PRAFULLA KUMAR JENA.

Application for Patent No. 119/Del/87 filed on 13 Feb. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

5 Claims

A process for sintering of chromite ore fines and concentrates which comprises mixing 50—80% of the chromite ore fines or blend of concentrate and ore fines with upto 50% return sinters, 5—20% solid fuels and/or coke dust or any other solid fuel wastes having equivalent carbon and balance being water to form a charge mixture, nodulising the mixture in presence of moisture, sintering the nodulised mixture by conventional sintering device for 8-30 minutes, sieving the sinters through 10 mm sieve for proper sizing & recycling the fine sinters to the process as said return sinters.

(Compl. Specn 9 Pages)

Drg sheet Nil)

Ind. Cl. 85 I.

172972

Int. Cl.4: F02D 19/00.

FUEL FEED CONTROL APPARATUS FOR A GASEOUS/LIQUID FUEL INTERNAL COMBUSTION ENGINE.

Applicant : TSENTRALNY NAUCHNO-ISSLEDOVATELSKY DIZELNY INSTITUT "TSNIDI" OF MOSKOVSKOE SHOSSE, 25, KORPUS 1, Leningrad, U.S.S.R.

Inventors : SERGEI SERGEEVICH SOKOLOV & VADIM ROMANOVICH KOMOVSKY.

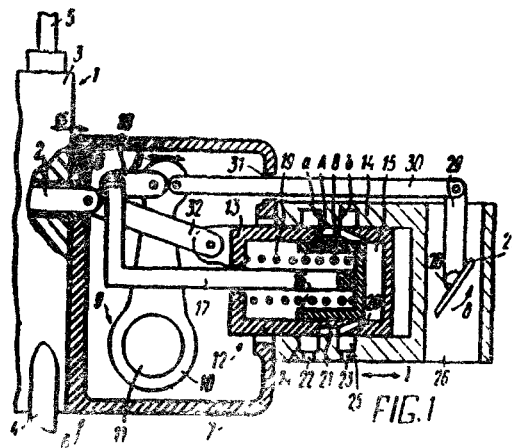
Application for Patent No. 549/Del/87 filed on 30 Jun. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

5 Claims

A Fuel feed control apparatus for a gaseous/liquid fuel internal combustion engine, comprising a high-pressure fuel pump (1) with means (2) for metering the feed of the liquid fuel, a governor (6) of the rotational speed of the gaseous/liquid fuel internal combustion engine having an actuating member (9) kinematically connected with the means (2) for metering the feed of the liquid fuel, a means for limiting the feed of the liquid fuel also kinematically connected with

the means (2) for metering the feed of the liquid fuel, a gaseous fuel supply line having a control means (26) with means (2) for metering the feed of the gaseous fuel, the means for limiting the feed of the liquid fuel having a piston type servomotor (12), the said servomotor having its housing (13) received for reciprocation in a casing (14) fixedly mounted on the housing (7) of the governor (6) of the rotational speed of the gaseous/liquid fuel internal combustion engine, with passage (10) made in the housing (13) of the piston-type servomotor (12) and in the casing (14), the housing of the piston-type servomotor (12) being kinematically connected with the means for metering the feed of the liquid fuel, and the rod (17) of the piston (16) of the piston-type servomotor (12) being kinematically connected through the actuating member (9) of the governor (6) with the means (2) for metering the feed of the gaseous fuel.



(Compl. Specn 22 Pages)

Drgs. 2 sheets)

Ind. Cl. : 39 N.

172973

Int. Cl.4: C01B 21/08.

A PROCESS FOR THE PREPARATION OF BASIC LEAD AZIDE.

Applicant : The CHIEF CONTROLLER RESEARCH AND DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI (INDIA), AND INDIAN NATIONAL.

Inventors : RAGHUNATH NILKANTH SURVE, SINGAPURAM RAGHAVACHAR YOGANARASIMHAN, SISIR KUMAR SINHA.

Application for Patent No 560/Del/87 filed on 02 Jul. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005

5 Claims

A process for the preparation of basic lead azide which comprises in stirring a solution of lead acetate consisting of 0.05 to 0.15% polyhydric phenols and 0.6 to 3% polyhydric alcohols or an aqueous solution & lead nitrate, in a jacketted reaction vessel maintaining at a temperature of 30 to 40°C with continuous stirring at 50—80 RPM, adding a mix solution of sodiumazide and sodium hydroxide solution in the said reaction vessel with continuous stirring within a period of 45 to 60 minutes, continuing the stirring to allow a digestion, allowing the precipitate to settle, washing said precipitate and then drying said precipitate to get the final product of basic lead azide.

(Compl. Specn. 10 Pages.)

Ind. Cl. : 145 B XXIV (4).

172974

Int. Cl.⁴ : D 21 H 5/00.

PROTECTIVELY COATED PRINTED PAPER WHICH MAY BE USED E.G. AS PAPER CURRENCY, DOCUMENTS AND OTHER KINDS OF PRINTED MATTER THAT ARE SUBJECT TO INTENSIVE CIRCULATION AND FREQUENT USE.

Applicant : JOH. ENSCHEDE EN ZONEN GRAFISCHE INRICHTING B.V., OF KLOKHUISPLEIN 5, 2011 HK HAARLEM, THE NETHERLANDS.

Application for Patent No. 700/Del/87 filed on 11 Aug. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A protectively coated printed paper which may be used e.g. as paper currency, documents and other kinds of printed matter that are subject to intensive circulation and frequent use, characterised in that it comprises a piece of paper printed with ink having 1—10% by weight of micronized wax as herein described; and a protective coating on the printed piece of paper having essentially cellulose ester or ether

Compl Specn 13 Pages

Drg sheet Nil

Ind. Cl. : 39-N (III).

172975

Int. Cl. : CO 1 F 7/14.

A METHOD OF PREPARING ALUMINIUM HYDROXIDE.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNY INSTITUT ALUMINIEVOI MAGNIEVOI I ELEKTRODNOI PROMYSHLENNOSTI, OF SREDNY PROSPEKT, 86, LENINGRAD, U.S.S.R. AN INSTITUTE ORGANISED AND EXISTING UNDER THE LAWS OF U.S.S.R.

Inventors : IOAN VI ADIMIROVICH DAVYDOV ALEXANDR NIKOLAEVICH LYAPUNOV ALVINA GEORGIEVNA VARZINA JURY ANDREEVICH VOLOKHOV VLADIMIR GRIGORIEVICH TESLYA LIDIA LEONIDOVNA FEDOROVA.

Application for Patent No. 719/Del/87 filed on 18 Aug. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

3 Claims

A method of preparing aluminium hydroxide, comprising mixing an aluminate solution such as herein described with a seed aluminium hydroxide at a temperature of 60-85°C, the caustic ratio of the liquid phase of the seed suspension being formed in the course of mixing being equal to 1.7-2.0; mixing the seed suspension with another portion of the aluminate solution at a temperature of 65-80°C, the caustic ratio of the liquid phase of the suspension obtained in the course of mixing being equal to 1.95-2.5, cooling the suspension obtained to a temperature of 50-45°C, the aluminium hydroxide being formed is separated in any known manner from the mother liquor, said mother liquor being then evaporated to a concentration of Na₂ caustic O of 200-350 kg/m³ and recycled.

Compl. Specn. 18 pages

Drg. sheets nil

Ind. Cl. : 32 C [IX(1)]

172976

Int. Cl.⁴ : A61K 37/02 & C07K, 15/00.

A PROCESS FOR THE PREPARATION OF NOR-STATTINE AND NOR-CYCLOSTATTINE POLYPEPTIDES.

Applicant : PFIZER INC. A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATE OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

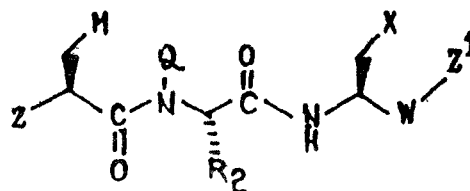
Inventor(s) : DENNIS JAY HOOVER, ROBERT LOUIS ROSATI, AND RONALD THURE WESTER.

Application for Patent No. 905/Del/87 filed on 15 Oct. 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

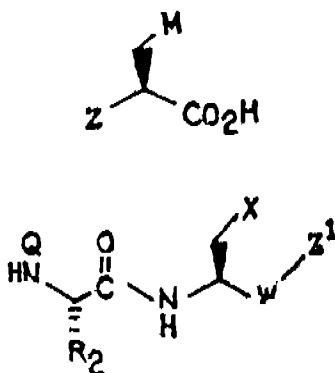
4 Claims

A process for preparing a compound of the formulae I or the accompanying drawings



wherein z is R₁—(Y)_m—(A)_p, wherein R₁ is (C₁—C₆) alkyl, amino, (C₁—C₄) alkoxy, (C₁—C₄) alkylamino, (C₁—C₃) alkoxy—(C₂—C₄) alkyleneamino, carboxy (C₁—C₄) alkyl, hydroxy—(C₂—C₄) alkyleneamino, (C₁—C₃) alkoxy COCH₂N(CH₃), amino(C₁—C₃)alkyl, morpholino, piperidyl, hydroxy-piperidino, 4-oxopiperidino, piperazino, 4-oxopiperidino ethylene ketal, 4—(C₁—C₃) alkylpiperazino, thiomorpholino, thiomorpholino 1-oxide, thiomorpholino 1,1-dioxide, N—(C₁—C₄) alkoxy-carbonylpiperidyl, 4—(C₁—C₄) alkoxy-carbonylpiperazino, 3-oxomorpholino, 3,5-dioxomorpholino, hydroxypyridyl, pyridyl, (s)-pyrrolid-2-yl, N-t, butoxycarbonyl—(s)-pyrrolid-2-yl, (C₁—C₃) alkoxy-carbonyl—(s)-pyrrolid-2-yl or 4—(C₁—C₃) alkanoyl-piperazino; Y is C=O, P(OCH₃)=O or SO₂; A is N(CH₃), NH or O; m and p are each integers of 0 or 1; M is phenyl, benzyl, naphthyl, thienyl, methoxyphenyl, hydroxyphenyl, chlorophenyl or (C₆—C₇) cycloalkyl; Q is methyl or hydrogen; R₂ is (C₁—C₅) alkyl, (C₁—C₃) alkylthio—(C₁—C₂) alkyl, (C₁—C₃) alkoxy (C₁—C₂) alkyl, benzyloxy—(C₁—C₂) alkyl, benzyl, hydroxy (C₁—C₂) alkyl, carboxy—(C₁—C₂) alkyl, guanido (C₁—C₃) alkyl, (C₁—C₃) alkyl-sulfinyl (C₁—C₂) alkyl, (C₁—C₃) alkylsulfonyl (C₁—C₂) alkyl, 4-benzyloxycarbonylaminoethyl, 4-aminobutyl imidazol-4-ylmethyl, N-t-butoxycarbonylimidazol-4-ylmethyl or carbamyl (C₁—C₂)alkyl; X is cyclohexyl, i-propyl or phenyl; W is CH III OCO(C₁—C₃) alkyl, (C₁—C₂) alkylamino, CH III OCO(C₁—C₃) alkylpiperidino, CH III OH, C=O, CH III N₃, CE NH₂, CH III NH₂, C(CH₃) III OH, C(CH₃) OH, CH III OCO(C₁—C₂) alkyl or CH III OCO (C₁—C₂) alkylene CO₂H; Z' is CH₂OH or R-S-T where R is C=O, S is O, NH, N(CH₃), CH₂ or a chemical bond linking R and T; T is (C₁—C₅) alkyl, hydroxy (C₁—C₄) alkyl, CONH—(C₁—C₄) alkyl hydrogen, trifluoroethyl, (C₆—C₇) cycloalkyl, (C₆—C₇) cycloalkylmethyl, phenyl, benzyl, amino—(C₂—C₅) alkyl, O—(C₁—C₂) alkyl hydroxylamino, morpholino. 4—(C₁—C₂) alkylpiperazino or omegadi (C₁—C₂) alkyl-amino

(C₃—C₅) alyl; L is CH or N with the proviso that when m is O, p is O; when A is O, Y is C=O; when T is CONH-(C₁—C₄)-alkyl, S is NH, N(CH₃) or CH₂; and when T is (C₂—C₅)-alkylamino, O-(C₁—C₂) alkyl hydroxylamino, morpholino or 4-(C₁—C₂) alkylpiperazino, S is CH₂ or a chemical bond linking R and T, characterised by reacting the compounds shown in figures VI and VII of the drawings



by subjecting in any known manner, said compounds to a dehydrative coupling in the presence of a coupling agent such as herin defined, thereby forming an amide bond C(O)N between said compounds to produce said compound of formula I.

(Complete specification 191 pages and Drawing 2 sheets).

Ind. Cl.: 140A, [XI(2)]

172977

Int. Cl.⁴: C 10 M, J35 02.

A LUBRICATING COMPOSITION.

Applicant THE LUBRIZOL CORPORATION, OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor(s): MARY FRISINGER SALOMON.

Application for Patent No. 470/Del/88 filed on 30 May 1988.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

26 Claims

A lubricating composition comprising from 95 to 99.975 percent by weight of an oil of lubricating viscosity and from 0.025 to 5 percent by weight of a composition which is the reaction product of at least two equivalents of a mercaptan containing at least 5 carbon atoms and at least two equivalents of a beta-thiodi-*tert*-butanol.

Compl. Specn. 21 pages

Ind. Cl.: 32 F2b, 55 E4, 172978

Int. Cl.: A 61 K—31/44, C 07 D—213/127.

METHOD OF PREPARING 4—AMINO—2, 3—DISUBSTITUTED —6, 7—DIHYDRO —5H—1—PYRIDINE DERIVATIVES.

Applicant (s) : NAUCHNO—ISSLEDOVATELSKY INSTITUT TEKNOLOGII I BEZOPASNOSTI LEKARSIVENNYKH SREDSIV and GOSUDARSTVENNY NAUCHNO — ISSLEDOVATELSKY I PROEKTNY INSTITUT AZOTNOI PROMYSHLNNOSTI I PRODUKTOV ORGANICHESKOGO SINTEZA, OULITSA KIROVA, 23 POSELOK STARAYS KUPAVNA NO INSKY RAION, MOSKOVSKAYA, OBLAST, U.S.S.R. AND OULITSA CHIKALOVA, 50, MOSCOW, U.S.S.R.

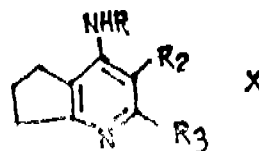
Inventor (s) : ELIONORA FISHELVA LAVRETSKAYA, ALEXANDRA VLADIMIROVNA UPADY, SHEVA, SVETLANA ALEXEEVNA SUKHANOVA, NATALYA DANILOVNA GRIGORIEVA, TATYANA NIKOLAEVNA ROBAKIDZE, TAMARA VASILIEVNA DEMIDOVA, TATYANA PAVLOVNA MUFAZALOVA, IRINA PAVLOVNA BATALOVA.

Application for Patent No. 142/Del 89 filed on 13 FEB 1989.

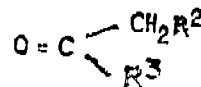
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

1 Method of preparing 4—amino—2, 3—disubstituted—6, 7—dihydro—5H—1—pyridine derivatives of the general formula 1A.



drawings wherein R₁ represents hydrogen or lower alkyl such as CH₃—, C₂H₅—, R₂ is CH₃—, C₂H₅—, C₃H₇—, C₆H₅— or phenyl, R₃ is a lower alkyl such as CH₃—, C₂H₅— or C₄H₉—, said lower alkyl except R₂—R₃—CH₃ and X is H₂O or HR₄ wherein HR₄ is an acid selected from inorganic or organic acids such as herein described, when R₁ is H, said method comprises reacting 2—aminocyclopentene-carbonitrile with ketone of formula 2.



of the drawings where in R₁ and R₂ are as defined above and taken in a molar ratio of 1 : 1. 1 to 1.3 in the presence of polyphosphoric acid, the amount of said polyphosphoric acid exceeding that of 2—aminocyclopentene-carbonitrile from seven to twelve times, at a temperature of 50 to 140°C for 2 to 5 hours, the reaction product thus obtained is

cooled to a point of 20 to 80°C is diluted with water, the water-to-reaction-product ratio 1:4 to 6, extracting said reaction stock three times using ethyl ether or chloroform, the organic layer is then separated, the remaining aqueous layer is neutralised by an alkali to a pH value of 6 to 7, the precipitated residue is filtered off, the filtrate is treated with aqueous ammonia to a pH value of 9 to 10, the precipitated base residue is filtered off and recrystallized with an organic solvent such as herein described and also by the addition of water and when R₁ is said lower alkyl, the thus prepared recrystallised base is denitrated in a conventional manner to obtain 4-chloro-pyridine derivatives which are then subjected to amine alkylation in a manner as herein described to obtain the required product and if desired converting the recrystallized base into its various acid derivatives of X in a manner known per se.

Compl. Specn. 45 pages

Drg. 1 sheet

Ind. Cl. : 99 B.

172979

Int. Cl.⁴ : B65B 31/00

A METHOD OF PACKAGING A DRY, GRANULAR PRODUCT UNDER VACUUM.

Applicant : GENERAL FOODS CORPORATION, OF 250 NORTH STREET, WHITE PLAINS, NEW YORK 10625, UNITED STATES OF AMERICA, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA.

Inventor : FRANK NUGENT.

Application for Patent No. 720/Del/89 filed on 14 Aug. 1989.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A method of packaging a dry, granular product under vacuum comprising the steps of :

taking a cylindrical can with a closed bottom and an upper cylindrical edge forming an open top and containing a predetermined amount of dry granular product therein,

while the can with the dry granular product therein is under a substantial vacuum, sealing to the open top of the cylindrical can a lid structure having a circumferential rim, a shelf portion extending radially inwardly therefrom, a lid opening therethrough and a foil membrane extending across and covering the lid opening and adhered to the shelf portion along a circumferential band at least 2.5 mm in width and extending substantially completely around the opening, the foil membrane being of a thickness of 80-120 microns which is substantially thinner than that of the shelf portion and substantially more flexible than the material of the shelf portion, the sealing including air-tightly attaching the circumferential rim to the upper cylindrical edge,

removing the sealed can from the vacuum, wherein the atmospheric pressure exterior of the can will flex the foil membrane concavely downwardly into the can to such a depth below the shelf portion that the downward flexing of the foil membrane is not hindered by the dry, granular product which is vacuum packed therein,

the holding force of the foil membrane to the shelf portion being sufficient to withstand the forces of the substantial vacuum within the can product, withstand abusive handling conditions and resist return from its concave shape towards an unflexed shape as the vacuum within the can reduces over the shelf lid of the product.

(Compl. Specn. 22 pages and Drawing sheet 5):

Ind. Cl. 83-(A₁)-[XIV(5)]

172980

Int. Cl.⁴ : A23G, 3/30.

A PROCESS FOR MAKING CHEWING GUM CANDY PRODUCT.

Applicant : THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OF ONE PROCTER & GAMBLE PLAZA, CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA.

Inventor : HORST PAUL WIENECKE

Application for Patent No. 1074/Del/89 filed on 20 Nov. 1989.

Convention date 25-11-1988/8827683.7/UK and 21-6-1989/8914238.4/UK.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A process for making a chewing gum candy product comprising the steps of forming a rope of a first hardboiled candy composition as herein described and having a centre-filling of a chewing gum composition as herein described the temperature of the rope being no more than about 55°C in case of sugar-free compositions and no more than about 85°C in the case of sugar-based compositions, collecting the rope and drawing it through compacting means to form a skein of centre-filled ropes, folding or repeatedly folding the skein of centre-filled ropes to form a laminated matrix, enveloping the laminated matrix within a layer of the second hardboiled candy composition as herein described, and forming the laminated and enveloped matrix into the final chewing gum candy product.

(Complete specification 17 pages).

IND. CL. : 32E IX (1).

172981

INT. CL.⁴ : CO 8 F 114 / 00.

TITLE

A PROCESS FOR HOMOPOLYMERIZATION OF VINYL MONOMERS AND COPOLYMERIZATION OF VINYL MONOMERS.

APPLICANT : THE B. F. GOODRICH COMPANY, a New York Corporation of 500 South Main Street, Akron, Ohio 44318 United States of America.

INVENTOR(S) : ZAVE SHARABY AND JOSEF CYRIL VYVODA.

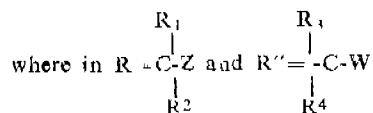
APPLICATION FOR PATENT NO. 315 DEL 86 FILED ON 08 APR 1986.

Appropriate office for opposition proceeding (Rule 4, Patents—Rules 1972) Patent Office Branch, New Delhi-110005.

(CLAIMS—2)

A process for homopolymerization of vinyl monomers and copolymerization of vinyl monomers with one or more copolymerizable olefinic monomers having a terminal CH₂ <grouping comprising the steps of adding said monomers to a polymerization vessel; conducting the polymerization to a desired conversion in the presence of a free radical yielding catalyst (s) of the kind such as here in described; the improvement characterized in adding to the polymerization mixture at the

desired conversion, before complete conversion, at least one substituted hydroquinone short stop agent having the formula I shown in the accompanying drawings



where in p is 1 or 2 and q is 0 or 1; provided $p+q=1$ or 2; the group R_1, R_2, R_3, R_4 are either H, CH_3 or C_3H_5 and are identical or different; the groups Z and W may be identical or different and are either H, C_1 to C_{12} hydrocarbon, OR_5 , SR_5 , phenyl alkyl benzene, $C_nH_{2n+1-k}-(X)_t-R_6$ wherein

n is an integer from 1 to 20, $k=1$ or 2, $t=0$ or 1, X $-O-$ or $O-C-O-$; wherein R_5 and R_6 are H or C_1-C_{12} hydrocarbon, CN, or C_nH_{2n+1-k} CN where in n and k are as defined above.

(Complete Specification—30—Pages Drawing Sheet-1)

Ind. Cl.: 188.

172982

Int. Cl.: C23C 2/12.

A METHOD OF MAKING AN ALUMINUM COATED FERROUS BASE METAL FOIL.

Applicant: ARMCO INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF OHIO, U.S.A., OF 703 CURTIS STREET, MIDDLETOWN, OHIO 45043, UNITED STATES OF AMERICA.

Inventors: FARRELL MICHAEL KILBANE & FRANK CURTISS DUNBAR.

Application for Patent No. 387/Del/86 filed on 30 Apr. 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A method of making an aluminium coated ferrous base metal foil having improved oxidation resistance at elevated temperatures, improved wet corrosion resistance, and surfaces adapted to bond securely to a ceramic, heat resistant catalyst support material, comprising the steps of: hot dip coating a ferrous base metal strip in a bath of molten aluminum, said strip having a thickness of at least 0.25 mm and containing from 10% to 35% aluminum, up to 1% silicon, and balance essentially iron; characterized by finishing the molten aluminum coating to provide a coating thickness ranging from 0.013 to 0.13 mm on each side and a total aluminum content of at least 4% by weight; cold reducing the aluminum coated strip to a foil having a thickness not greater than 0.13 mm without intermediate annealing wherein the ratio of total aluminum coating thickness to base metal thickness is at least 1 : 10, and heating said foil in an oxidizing atmosphere within the range of 600°C to 1200°C with a time at temperature ranging from 1 second to 1 hour in accordance with the relationship:

$1210 > \text{temperature } (^\circ\text{C}) + 1/6 \times \text{time (seconds)} > 600$, whereby to produce a porous surface having a matte gray appearance.

(Complete Specification 25 pages

Drawing sheet 2)

Ind. Cl.: 23E.

172983

Int. Cl.: B65D 81/24 & 81/28.

POWDER PROOF RECLOSABLE CONTAINER.

Applicant: AKERLUND & RAUSING LICENS AKTIEBOLAG, A SWEDISH JOINT STOCK COMPANY UNDER THE LAWS OF SWEDEN, OF VEDDESTAVAGEN 7-9, S-175 62 JARFALLA, SWEDEN.

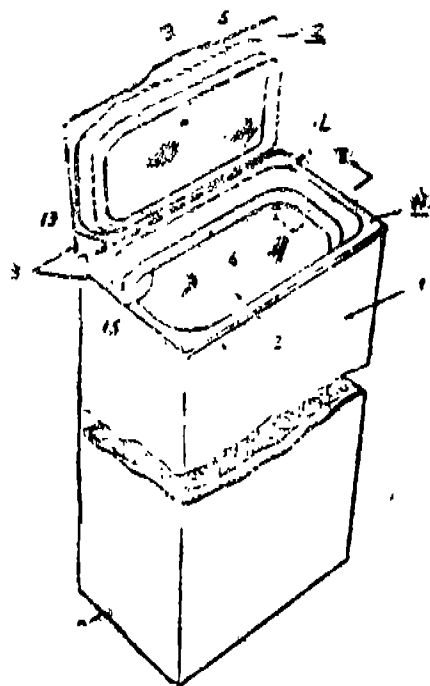
Inventor: LARS CHRISTENSSON.

Application for Patent No. 445/Del/87 filed on 22 May 1987.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A powder proof reclosable container which is liquid and gas proof before opening and which after having been subjected to opening is adapted to be reclosed to provide atleast powder proofing or preferably gas proofing to said container which comprises an outer container sleeve (1, 21) of a stable supporting material such as cardboard or plastic, an inner bag (2) having a sealing foil (23) on said container sleeve, said inner bag being made up of a liquid or gas proof material of the kind such as herein described, a reclosable lid means (3, 22) comprising a lid frame (11, 26), connected to said container sleeve and a reclosing lid (12, 27) which is hinged to said lid frame characterised in that said inner bag of said container sleeve is gas tightly connected in a manner such as herein described to said lid frame and said reclosing lid having means cooperating with said lid frame for reclosing said inner bag under gas proof conditions, said lid frame comprising a cavity (14, 28) having at the bottom thereof, a conically tapering sealing edge (15), said reclosable lid having a similar cavity (16, 31) with a sealing rib (17, 33) projecting downwardly to cooperate with said sealing edge (15) of said lid frame for providing gas proof reclosing of said lid of said container.



(Compl. Specn. 17 pages

Drg. 6 sheets).

Ind. Cl. : 40F
Int. Cl.4 : A61k 9/20, 9/46.

172984

PROCESS FOR PREPARING SOLUBLE AND/OR SPLITTABLE TABLETS.

Applicant : LABORATORIES BEAUFOUR, A FRENCH COMPANY, OF 18, PLACE DOGUCREAU 28100 DREUX (FRANCE).

Inventor : MICHAEL RENE, JEAN-CLAUDE PLANTEF-EVE.

Application for Patent No. 482/Del/87 filed on 23 Sept. 1987.

Convention date 14 Oct 1986/8624628/UK.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of tablets readily soluble and/or splittable in water, said process comprising introducing into the preparation ready to be pressed or moulded a sufficient amount of a volatile liquid agent having boiling point in the range of from -35°C to 50°C , said agent being a halogenated hydrocarbon or a mixture of halogenated hydrocarbons, said agent being insoluble or poorly soluble in the components of said preparation to be pressed or moulded not being capable of reaction with said components and not being absorbed by said components to an extent which is irreversible under the conditions of the subsequent elimination step, compressing said preparation in a conventional manner, and eliminating said volatile liquid agent from said compressed or moulded composition in a manner such as herein described.

(Complete Specification-12 Pages Drawing sheet-Nil).

Ind. Cl. : J89
Int. Cl.4 : A61K 7/035.

172985

A PROCESS FOR THE PREPARATION OF AN IMPROVED JOJOBA BODYCREAM CONTAINING TRANSESTERIFIED JOJOBA OIL AND JOJOBA OIL.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : SHETHIA BHUPENDRA DHANVANTRAI, PANDYA AYANT BATUKRAY, ECHIAMBADY RAJAGOPALA KANGASWAMY IYENGAR & GOHEL MEENA BABULAL.

Application for Patent No. 921/Del/93 filed on 21 Oct. 1987.

Complete Specification left on 20 Jan 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

5 Claims

A process for the preparation of an improved jojoba body cream containing transesterified jojoba oil and jojoba oil which comprises preparing;

(i) an aqueous phase consisting of glycerol in the range of 1.4-2.0%; triethanol amine in the range of 1.0-1.5%; borax in the range of 1.42-2.00%; potassium hydroxide in the range of 0.3-0.5, and water in the range of 60-65.5% and (ii) an oil phase comprising cetyl alcohol in the range of 1.0-1.2%; Bees Wax in the range of 2.5-3.0%; paraffin wax in the range of 1.9-3.0%; transesterified jojoba oil in the range of 3.0-5.02%; jojoba oil in the range of 7.0-12.0%; coconut oil in the range of 3.0-3.8%; stearic acid in the range of 2.1-2.9%; and adding dropwise the aqueous phase into the oil phase with continuous stirring and heating at a temperature of $70-75^{\circ}\text{C}$.

(Provisional Specification 8 pages).

(Complete Specification 16 Pages).

Ind. Cl. : 32 F2 B 55 E2 & E4,

172986

Int. Cl.4 : A 61 K 31/43

C 07 D 499/00 499/08.

A PROCESS FOR PREPARING DIASTEREOMERIC 5R, 6S-6-(1R-HYDROXYETHYL)-2-(CIS-1-OXO-3-THIOLANYLTHIO)-2-PENEM-3-CARBOXYLIC ACIDS.

Applicant : PFIZER INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

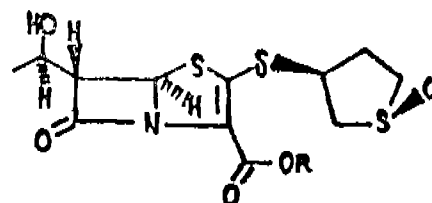
Inventor : ROBERT ALFRED VOLKMANN.

Application for Patent No. 231/DEL/1988 filed on 22-03-1988.

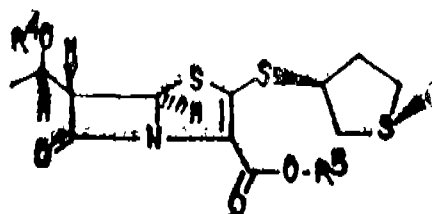
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A process for preparing diastereomeric 5R, 6S-6-(1R-hydroxyethyl)-2-(cis-1-oxo-3-thiolanylthio)-2-penem-3-carboxylic acids having the absolute stereochemical formula II of the drawings



wherein R is hydrogen or a pharmaceutically acceptable cationic salt thereof, said process comprises reacting a compound of the formula IVa of the drawings



wherein X is hydrogen or chloro, with at least one equivalent of an alkali metal salt of 2-ethylhexanoic acid in a reaction inert solvent of the kind such as herein described in the presence of triphenylphosphine and tetrakis (triphenylphosphine) palladium; and if desired converting the resultant product into its pharmaceutically acceptable cationic salt by any known manner.

(Compl. Specn. 43 Pages

Drgs 05 Sheets)

Ind. Cl. : 32F₂b.

172987

Int. Cl. 4 : C07D 405/02.

STEREOSPECIFIC PROCESS FOR THE PREPARATION OF FURO (3, 4-C) PYRIDINE ENANTIOMERS.

Applicant: SOCIETE DE CONSEILS DE RECHERCHES ET D'APPLICATIONS SCIENTIFIQUES (S.C.R.A.S.) A FRENCH COMPANY, OF 51/53 RUE DU DOCTEUR BLANCHE 75016 PARIS, FRANCE.

Inventor: MARC BOHATO, CHARLES RAYMOND ECK.

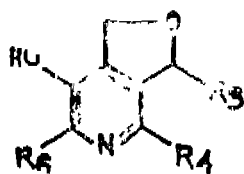
Application for Patent No. 312/DEL/89 filed on 4 APRIL 1989.

Convention date 6-4-1988/8808001.5/GB.

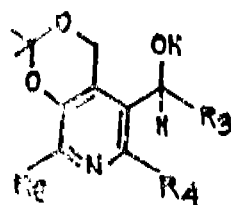
Appropriate office for opposition proceedings (Rule, 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110035

11 Claims

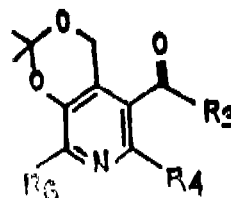
Stereospecific process for the preparation of enantiomers of 3-substituted-furo (3, 4-C) pyridine of the general formula I of the drawings.



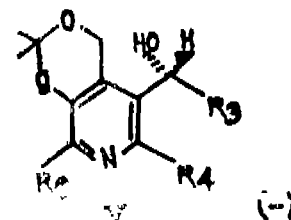
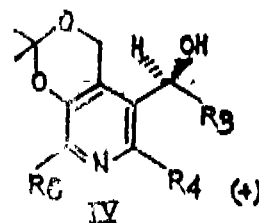
wherein R₃ stands for a straight chain saturated or unsaturated hydrocarbon group having from 1 to 5 carbon atoms, a heterocyclic group having up to 6 ring atoms, a phenyl or cyclohexyl group, a phenylalkyl group or a phenylalkenyl group, each of said groups being optionally substituted by one or more chlorine bromine or fluorine atoms, trifluoromethyl groups, alkyl groups having from 1 to 5 carbon atoms, alkoxy groups having from 1 to 5 carbon atoms, alkylthio groups having from 1 to 5 carbon atoms, dialkylamino groups in which each alkyl group has from 1 to 5 carbon atoms, dialkylaminoalkoxy groups in which each of the two alkyl groups and the alkoxy group has from 1 to 5 carbon atoms or an α or β -alkoxy-N-pyrrolidiny group in which the alkoxy group has from 1 to 5 carbon atoms; R₄ stands for a hydrogen or a halogen atom and R₅ stands for a straight chain or branched chain alkyl or alkenyl group having up to 6 carbon atoms, optionally substituted by a hydroxy, cyano, amino or substituted amino group or by an alkyl or alkenyl group having up to 4 carbon atoms, comprising the steps of (a) oxidizing, by any conventional oxidation agent, a racemic pyridine derivative off the general formula II.



of the drawings wherein R₃, R₄ and R₆ are as above defined to obtain a ketone of formula III.



of the drawings; (b) reducing the resulting ketone of formula III of the drawings wherein R₃, R₄ and R₆ are as above defined with any chiral I reducing agent or any appropriate catalyst such as herein described for asymmetrical hydrogenation, which gives, according to the selected agent an enantiomer alcohol of formula IV or V of the drawings; (c) stereospecific locking or



of the drawings; (c) stereospecific locking or blocking in a manner such as herein described of the OH group of the selected enantiomer alcohol; (d) opening of the acetonide ring by protic acids with concomitant liberation of the CH₂OH and OH groups on the pyridine ring; (e) cyclizing in a manner known per se the resulting compound and, if necessary, deprotection of the phenoxy group to obtain the desired compound.

(Complete Specification 25 Pages

Drawing Sheets 5)

Ind. Cl. : 32F IX (1).

172988

Int. Cl. 4 : C07D, 147/00.

PROCESS FOR THE PREPARATION OF AN OPTICALLY ACTIVE SULFONE DERIVATIVE

Applicant: WISCONSIN ALUMNI RESEARCH FOUNDATION, A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF WISCONSIN, UNITED STATES OF AMERICA OF : 614, NORTH WALNUT STREET, MADISON, WISCONSIN 53705, UNITED STATES OF AMERICA.

Inventor(s): HECTOR FLOYD DELUCA HEINRICH KONSTANTIN SCHNOES AND KATO LENARD PERLMAN.

Application for the Patent No. 515/DEL/89 filed on 14 June 1989.

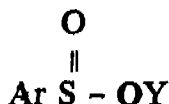
Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

13 Claims

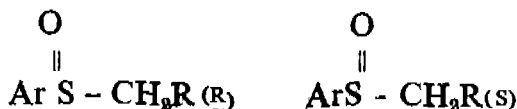
A process for the preparation of an optically active sulfone derivative having the structure $\text{ArSO}_2\text{CH}_2\text{R(R)}$ or $\text{ArSO}_2\text{CH}_2\text{R(S)}$ where Ar is an aryl group and R represents an alkyl or substituted alkyl radical containing a chiral center and wherein the subscripts (R) and (S) signify that the chiral center in R has the (R) and (S)—stereochemical configuration, respectively which comprises reacting a racemic Grignard reagent of the structure III.



as shown in the accompanying drawings wherein R is as defined above and X is halogen, with a chiral sulfinate ester of the structure IV



as shown in the accompanying drawings where Ar is as defined above and Y represents alkyl or cycloalkyl, and where the sulfur atom is a chiral center having either the (R)—or the (S)—configuration, thereby obtaining a mixture of diastereoisomeric sulfoxides having the structure V and VI.



as shown in the accompanying drawings wherein Ar, R and the subscripts (R) and (S) are as defined above, and where the sulfur atom is a chiral center having either the (R)—or the (S)—configuration, separating the mixture and oxidizing separately at least one of the diastereoisomers with an organic peroxide such as herein described in known manner.

(Complete Specification 22 Pages)

Drawing Sheets 7)

Ind. Cl.: 189 LXVI (10).

172989

Int. Cl.: A61K, 7/18.

A. PROCESS FOR PREPARING DENTAL ORAL COMPOSITION.

Applicant: THE PROCTER & GAMBLE COMPANY, A COMPANY ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF OHIO OR ONE PROCTER & GAMBLE PLAZA CINCINNATI, STATE OF OHIO, UNITED STATES OF AMERICA, MANUFACTURERS;

Inventor: JOHN ROUDOLPH WIETFEELDT.

Application for Patent No. 717/Del/89, filed on 11 Aug. 1989.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A process for the preparation of a dental oral composition comprising;

- a polymer selected from the group consisting of a linear polymeric carboxylate polymers or copolymers, sulfonate polymers or copolymers and sulfate polymers or copolymers present at a level of .0003% to 13%;
- a soluble strontium ion source present at a level of 2 to 10000 ppm Sr-+++;

(c) a soluble fluoride ion source present at a level of 25 to 5000 ppm F- and

(d) an orally acceptable carrier as herein described wherein said composition is substantially free of linear, non-crosslinked acrylic acid polymers or copolymers.

Compl. Specn. 16 pages

Drw. sheet NIL).

Ind. Cl. 1P

172990

Int. Cl.: C08B 30/00, 30/02, 30/16.
C09H 3/00.

A CORN WET MILLING PROCESS FOR PRODUCING STARCH AND GLUTEN.

Applicant: DORR-OLIVER INCORPORATED, 612 WHEELER'S FARM ROAD, P.O. BOX 3819 MILFORD, CONNECTICUT 06460-8719 UNITED STATES OF AMERICA.

Inventor: ABRAHAM CARANSA, JAN VAN DEN DORPEL, IMRE GYULA RACZ.

Application for patent No. 914 DEL 89 filed on 9 Oct 1989.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A corn wet milling process for producing starch and gluten and other by-products which comprises steeping corn grains in one or more vessels with known compositions of steeping liquid containing sulfur dioxide at a temperature of 40° to 50° and subjecting said steeped corn grains to known processing and milling steps characterised in that the steeping is performed in a fluidized bed formed from corn grains and steeping liquid, said fluidized bed being formed in said vessel or vessels by establishing therein a continuous upward flow of steeping liquid from the bottom to the top of said vessel or vessels and sustaining the fluidized bed in each of said vessels for a predetermined period of hours to complete steeping of said corn grains.

(Complete specification 11 page)

CLAIM UNDER SECTION 20(1) OF THE PATENT ACT, 1970.

Claim made by BORDEN INC., under Section 20(1) of the Patents Act, 1970, to proceed the application for patent No. 907/MAS/88 (172822) in their name has been allowed.

Claim made by BORDEN INC., under Section 20(1) of the Patents Act, 1970, to proceed the Application for Patent No. 899/MAS/88 (172932) in their name has allowed.

PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specification are available for sale from the Patent Office, Calcutta, and its branches at Bombay, Madras and Delhi at two rupees per copy:—

(1)

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PATENT SEALED ON 17-12-1993

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 171542* 171549 171555 171556 171558 171564 171568
 171569 171570 171572.

CAL—11, MAS—17, BOM—12, DEL—00.

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of Sealing.

D—DRUG PATENT, F—FOOD PATENT.

AMENDMENT PROCEEDING UNDER SECTION 57

The amendments proposed by M/s. Hughes Aircraft Company of United States of America in respect of Patent application No. 159011(106/D/83) as advertised in Part III, Section 2 of the Gazette of India dated 18-3-1989 have been withdrawn.

REGISTRATION OF ASSIGNMENTS LICENCES ETC.

Assignments, licences or other transaction affecting the interest of the original patentee have been registered in the following cases.

153982

— Armco Steel Company, L.P.
 165123

Assignments, licences or other transactions affecting the interest of the original patentee have been registered in the following cases.

156855 — M/s. Mithila Coal Industries Pvt. Ltd.

RENEWAL FEES PAID

150732 151999 152922 153020 153021 153277 153290 153436
 153476 153829 153947 154105 154448 154805 154976 154977
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RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 156009 granted to International Lead Zinc Research Organization, Inc. for an invention relating to "a process of applying a protective metal coating to a substrate."

The Patent ceased on the 21st Dec., 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 161390 granted to Asahi Kasei Kogyo Kabushi Kaisha for an invention relating to "an improved hydrogen-evaluation electrode and a method of producing the same."

The Patent ceased on the 15th Nov., 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 162693 granted to RWE-DEA Aktiengesellschaft for an invention relating to "a process for producing a lower aliphatic alcohol."

The Patent ceased on the 8th Oct., 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166431 granted to Energy Conversion Devices, Inc. for an invention relating to "improved method of manufacturing a semi-conductor member on a substrate utilizing microwave energy."

The Patent ceased on the 3rd April, 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 166643 granted to Linde Aktiengesellschaft for an invention relating to "an improved process for the separation of C_{10} hydrocarbon fraction from natural gas."

The Patent ceased on the 15th Nov., 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 167903 granted to Institut Francais Du Petrole for an invention relating to "improved process for producing sweetened hydrocarbons."

The Patent ceased on the 30th July, 1992 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 168599 granted to The Dow Chemical Company for an invention relating to "non catalytic two-stage upflow process for gasification of a carbonaceous material."

The Patent ceased on the 14th Jan., 1993 due to non-payment of renewal fees within the prescribed time and the cessation of the Patent will be notified in the Gazette of India, Part III, Section 2, dated the 8th January, 1994.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate, with the Controller of Patents, Patent Office, Nizam Palace, 2nd M.S.O. Building, 5th, 6th and 7th floor, 234/4, Acharya Jagadish Chandra Bose Road, Calcutta-700 020 on or before the 15th March, 1994 under Rule 69 of the Patent Rules 1972. A written statement, in triplicate, setting out the nature of the opponents interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

Notice is hereby given that an application for restoration of patent No. 168984 dated the 29th April, 1987 made by Projects & Development India Limited on the 1st April, 1993 and notified in the Gazette of India, part III, Section 2, dated the 11th September, 1993 has been allowed and the said patent restored.

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Hoogovens Groep B.V.—170874.

Hoover Universal, Inc.—171066.

Hsiao, S.—170570.

Hsiung, Y.W.—170344.

Huang, Y.T.—170116.

Hughes Aircraft Co.—171107 & 171224.

Huhtamaki Oy—171484.

Huls Aktiengesellschaft.—170318.

Hu, L.T.—170290.

Hunter Douglas International N.V.—171469.

Huttene-Albertus Chemische Werke GmbH.—171261.

Hydro-Quebec.—170872.

Hygeia, Sciences Inc.—171131.

Hylsa SA De C.V.—169940.

(I)

I C I Americas Inc.—170873.

I C I India Ltd.—170642, 170776, 170870, 170960, 171158, 171428, 171490 & 171707.

I D L Chemicals Ltd.—169980, 170098, 170788, 171586 & 171717.

I N CO Alloys International, Inc.—169872 & 170403.

I O N Exchange (India) Ltd.—169914, 170481, 170484, 171183 & 171574.

I.T.C. Ltd.—170154.

Imperial Chemical Industries PLC.—169858, 169884, 169889, 170072, 170167, 170220, 170289, 170823, 171100, 171222, 171344 & 171403.

Imperial Smelting Processes Ltd.—169968.

Indicator Co. Inc.—171090.

Indian Farmers Fertilizer Co-operative Ltd.—170475.
 Indian Institute of Technology.—170016 & 170746.
 Indian Institute of Science.—170396, 170423, 170552, 170691 & 171725.
 India Nippon Electricals Ltd.—170897.
 Indian Jute Industries Research Association.—170305.
 Indian Oil Corporation Ltd.—169911, 171122 & 171321.
 Indian Petrochemicals Corporation Ltd.—169919.
 Indian Space Research Organisation.—169934, 170292, 170548, 170640, 170666, 171053, 171172 & 171728.
 Indupack Ag.—170861 & 171423.
 Industrial Progress, Inc.—171537 & 171538.
 Industrial Technology Research Institute.—169896.
 Ingersoll-Rand Co.—170961.
 Injactall Ltd.—169930.
 Inland Steel Co.—170515, 170577, 170858 & 171269.
 Inland Steel Corporation.—170631.
 Insituform Holdings Ltd.—171386.
 Institute Francais Du Pétrole.—169933, 169999, 170041, 170094, 170270, 170415, 170427, 170523, 170524, 170532, 170635, 170693, 170817, 171119, 171264, 171268, 171460, 171582, 171583, 171666 & 171732.
 Institut Khimicheskoi Fiziki Akademii Nauk SSR.—170112.
 Institut Khimi i Tekhnologii Redkikh Elementov i Mineralnogo Syrja Kolskogo Filiala Akademii Nauk SSSR.—170971.
 Institut National De La Recherche Agro Nomique (INRA).—171218.
 Institut Pasture.—171218.
 Institut Problem Modellirovani V Energetike Akademii Nauk Ukrainskoi SSR.—169864 & 169925.
 Institut Po Tchernia Metalurgia.—170781.
 Institut Sverkhtrudnykh Materialov, Akademii Nauk Ukrainskoi SSR.—170118 & 170803.
 Instytut Ciekłej Syntezy Organiczej, "BLACHOWNIA".—171653.
 International Business Machines Corporation.—171349.
 International Control Automation Finance S.A.—170146, 171476 & 171701.
 International Foods Corporation.—170104.
 International Integrated Systems, Inc.—171216.
 International Mobile Machines Corporation.—170912.
 International Paint Public Ltd. Co.—170074.
 International Paper Box Machine Co. Inc., The.—170583.
 International Thermal Packaging Inc.—171470.
 Inventio Ag.—171501, 171711 & 171713.
 Invitro Technologies, Inc.—171202.
 Ireco Incorporated.—169880.
 Irigoyen, M. E.—170363.
 Ishiharasangyo Kaisha, Ltd.—169974 & 171159.
 Isoworth Ltd.—170279.
 Israel Institute for Biological Research.—170320.

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JGC Corporation.—171095.
 J. M. Voith GmbH.—171528.
 JS Telecom.—169901 & 171389.
 Jackson, P. J.—169998.
 Jackson, S. G.—170218.
 Jain, S. S.—171221.

James, P.—171256.
 Japan Cotton Technical and Economic Research Institute.—171142.
 Jaysynth Dychem Ltd.—170479.
 Jean, W. W.—171132.
 Jhangiani, D. K.—171556.
 John Lysaght (Australia) Ltd.—171642.
 Johnson & Johnson Consumer Products, Inc.—171616.
 Johnson & Johnson Inc.—170973.
 Johnson & Johnson Medical Inc.—171160.
 Jones, D. G.—170076.
 Joshi, J. S.—171453.
 Junghans Uhren GmbH.—171409.
 Jungmann, A.—170572.

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KMB-Kabelmetal Aktiengesellschaft.—170310.
 KMK Karl Maegerle Lizenz Ag.—170328, 170391 & 171493.
 KSB Pumps Ltd.—171531.
 KTR Kupplungstechnik GmbH.—170255.
 Kabita Refractories (Pvt.) Ltd.—171234, 171478 & 171710.
 Kabushiki Kaisha Nisshin Seisakusho.—171208.
 Kabushiki Kaisha Toshiba.—170135 & 171125.
 Kabushiki Kaisha Toyota Chuo Kenkyusho.—171675.
 Kalina, A. I.—170982.
 Kalli, S.—171695.
 Kang, C. Y.—170044 & 170045.
 Kanpoo Steel Co. Ltd.—171277.
 Kansara, J. C.—171564.
 Kansch, N. N.—170863.
 Kanthal Ltd.—170628.
 Karandikar, S. G.—170998.
 Karrim, A. S.—171322.
 Kar, S.—171060.
 Kaushik, G.—170473.
 Kawaski Steel Corporation.—171215.
 Kemira OY.—170512 & 170986.
 Kenforschungsanlage Julich Gesellschaft, Mit Beschränkter Haftung.—170179.
 Kenrich Petrochemicals, Inc.—170585 & 170651.
 Kerr-Mc Gee Chemical Corporation.—170719.
 Kershaw International Ltd.—171504.
 Kessels, G.—170900.
 Khaitan, M. K.—171289.
 Khanna, S.—170242.
 Kher, R. N.—170463.
 Khilko, V. A.—171137.
 Khosla, A.—170654.
 Khosla, S.—170654.
 Kim, S. H.—169959.
 Kinetics Technology International Corporation.—170435.
 Kin, J. W.—170147.
 Kirloskar Brothers Ltd.—170593.
 Klotzvog, G. N.—170232 & 170864.
 Knight, R. S.—171466.
 Kohanty, S. K. (Dr.)—170597.
 Kolapalli, S. R.—170093.

—K—

Kolpinskoe Otdelenie Vsesojuznogo Nauchno-Issledovatel'skogo I Proektiro-Konstrukorskogo Instituta Metallurgicheskogo Mashinostroyeniya Nauchno-Proizvodstvennogo Obiedineniya "Vniimtmash"-171391.

Kolvereid, H.-171055.

Korde, U.-169932 & 170857.

Korea Research Institute Of Chemical Technology-171602, 171603 & 171604.

Kortec Ag.-170717.

Korthaus, E.-171114.

Kossuth Lajos Tudományegyetem-171733.

Kraft, H. (DIPL-FNG)-171336.

Kramatorsky Industrialny Institut-171206.

Krause Milling Co.-170810.

Krishnamurthy, V.-171576 & 171577.

Krone Aktiengesellschaft-170928, 171004, 171205 & 171233.

Krupp Koppers GmbH.-170974, 171212, 171396, 171482 & 171523.

Krupp Polysius Ag.-170755.

Krupp Widia GmbH.-171697.

Kulkarni, A. H.-170245 & 171535.

Kulkarni, P. K.-171330.

Kulkarni, V. P.-171330.

Kumar, D.-171227.

Kumar, M. V.-171739.

Kumar, P.-169949 & 170437.

Kumar, R.-170629.

Kuznetsova, V. A.-171137.

Kyowa Gas Chemical Industry Co. Ltd.-170713.

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LA Telemecanique Electrique-170967, 171259, 171351 & 171356.

LUZ Industries Isrel Ltd.-170137.

Laboratoire Central D'Hydraulique De France-170506.

Laboratories Delagrance-170789.

L'air Liquide Societe Anonyme Pour L'etude Et L'exploitation Des Procédés Georges Claude-170626.

Lande, D. S.-170702.

Lantor B. V.-169926.

Lanxide Technology Co. L. P.-170308, 170603, 170604, 170722, 170850, 171077, 171088, 171214, 171524 & 171652.

Larsen & Toubro Ltd.-171184.

Leningradskoe Vysshee Inzhenernoe Mossskoe Uchilische Imeni Admirala S. O. Makarova-170914.

Lenzing Aktiengesellschaft-170038 & 170436.

Liaisons Electroniques-Mecaniques Lem S A.-170407.

Libbey-Owens-Ford Co.-169870.

Licentia Patent-Verwaltungs GmbH.-169928.

Limitorque Corporation-171551.

Limttorque Corporation-170795.

Lindi Aktiengesellschaft-170063 & 170981.

Lipatov, V. A.-170863.

Lipha Lyonnaise Industrille Pharmaceutique-170909.

Liquipibigas S.P.A -171173.

Lisitsyn, K. M.-171137.

Loadarm Australia Pty. Ltd.-170077.

Lokhande, C. D. (Dr.)-170248 & 170249.

Long Mile Rubber Co.-170230.

Lonza Ltd.-170700 & 171051.

Loram Maintenance of Way, Inc.-171392.

Lovejoy India (Pvt.) Ltd.-171126 & 171128.

Lubrizol Corporation, The-169944, 170165, 170458, 170459, 170623, 170655, 170760, 170382 & 170839.

Lucas Industries Public Ltd. Co.-169907, 169966, 170329, 170410, 170581 & 171509.

Luminis Pty. Ltd.-170251.

Lummus Crest Inc.-170778.

Luoyang Petrochemical Engineering Corporation Sinopec (LPEC)-171582.

Lupin Laboratories Ltd.-170598.

—M—

M & T Chemicals Inc.-170102 & 170110.

MAG Dev Inc.-170371.

MAN Gutehoffnungshutte GmbH.-169879, 170068 & 170096.

M D T Corporation-171612.

MEC A/S.-171096.

MED Test Systems Inc.-171168.

MK Electric Ltd.-169996.

M. W. Kellogg Co., The-170731, 170750, 171012, 171634 & 171635.

Maag Gear-Wheel & Machine Co. Ltd.-170031.

Madison-Kipp Corporation-170565.

Magyar Kulkereskedelmi Bank RT.-170317.

Majumdar, A.-171472.

Majumdar, S.-171472.

Malhati Tea & Industries Ltd.-171553.

Maller, R.-171294.

Manifattura Cincla S.R.L.-171176.

Mannesmann Aktiengesellschaft-169976, 170885 & 171741.

Mansuri, M. I.-170704.

Manville Sales Corporation-169893.

Marathe Research Foundation-171067.

Marcadet Mobiliar-171283.

Marcegaglia S.P.A.-171318.

Maremont Corporation-171562.

Mariplast S.P.A.-171111.

Marotta Scientific Controls, Inc.-169972 & 170092.

Martin Marietta Corporation-171341.

Maschinenfabrik Rieter AG.-169975, 170027, 170121, 170275, 170276, 170278, 170669, 170820, 171021, 171022, 171023, 171161, 171162, 171166, 171263, 171594, 171670, 171673 & 171722.

Mass Transfer Ltd.-170216.

Mathew, V. V.-170157.

Mathur, P.-171477.

Mauser-Werke GmbH.-170539.

Mcconway & Torley Corporation-171032.

McCormick & Co. Incorporated-170676.

McNeil-PPC. Inc.-170978, 171063, 171232 & 171746.

Mcphersons Ltd.-170985.

Mcqueen, R. W.-171144.

Mechanical Plastics Corporation-171358.

Medicinska Akademia-Presidency-170130.

Megapulse Incorporated-170946 & 171626.

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Megaword International Pty. Ltd.-170866.
 Mehta, P. J.-170372.
 Melamine Chemicals Inc.-170148 & 170677.
 Melika Industrial Co. Ltd.-170128.
 Merck Patent Gesellschaft Mit Beschränkter Haftung-170006 & 171155.
 Merlin Gerin-169993, 170069, 170099, 170181, 170185, 170267, 170298, 170416, 170428, 170533, 170681, 170816, 171120, 171165, 171278, 171389 & 171665.
 Metal Casting Technology, Inc.-170880.
 Metallgesellschaft Aktiengesellschaft-169929, 170802, 170937, 171157, 171308 & 171560.
 Michelin & Cie (Compagnie Generale Des Establishments Michelin)-169995, 170097 & 170368.
 Mieth, H. O. (DIPL-ING)-170890.
 Millmore Engineering Pvt. Ltd.-170579 & 170664.
 Minato Co. Ltd.-171156.
 Miner Enterprises, Inc.-171643.
 Minnesota Mining and Manufacturing Co.-170025, 170199, 170402, 170511, 170540, 170784, 170859, 171266, 171267, 171588 & 171720.
 Miray International Inc.-170087.
 Mirchandani, A. S.-170081.
 Mississippi Chemical Corporation-170271.
 Mitsubishi Denki Kabushiki Kaisha-171113, 171174 & 171520.
 Mitsubishi Jukogyo Kabushiki Kaisha-170412 & 170989.
 Mitsui Toatsu Chemicals Incorporated-170143, 170253, 170558, 170559, 170713 & 171311.
 Mittal, J. K.-169860.
 Mitutoyo Corporation-171487.
 Mitutoyo Mfg. Co. Ltd.-169902 & 169992.
 Mobil Oil Corporation-169964, 170124, 170528, 170688, 171148, 171454, 171507 & 171677.
 Mohanlal, H. (Mrs)-170399.
 Mohan, S. (Mrs)-170860.
 Mobanty, S.-171292.
 Monsanto Co.-170065, 170285, 170400 & 171016.
 Monteiro, I.A.J.-170994.
 Moore Products Co.-171716.
 Moskovsky Geologorazvedochny Institut Imeni Sergo Ordzhonikidze USSR-171557.
 Moskovsky Institut Inzhenerov Zheleznodorozhnogo Transporta-169953.
 Motorola Inc.-170411, 170529 & 171381.
 Mull, V.-169946, 170460, 170742 & 171286.

—N—

NGK Insulators, Ltd.-170845 & 171743.
 NKK Corporation-170616, 170993 & 171533.
 N. V. Bekaert S. A.-170389.
 N. V. Raychem S. A.-170299.
 Nabisco Brands, Inc.-171085.
 Naderi, M. T.-171094.
 Nagar, R.-170840.
 Naik, D. S.-171568, 171569 & 171570.
 Nair, K. V. (Dr.)-170860.
 Nair, M. V.-170860.
 Namjoshi, A. N.-170998.
 Narayan, K.-169890.

Nathan, P. S.-169963.
 National Computer Systems Inc.-170054.
 National Council for Cement and Building Materials-170385.
 National Research Council of Canada-171747.
 National Research Development Corporation-170075.
 National Research Development Corporation of India-170341, 170342, 170343 & 170345.
 Nauchno-Issledovatel'skiy Institut Po Epidemiologii I Mikrobiologii "N.F. GAMALEA"-170130.
 Nauchno-Issledovatel'skiy Sektorvychti-171581.
 Nauchno-Proizvodstvennoye Obiedineniye "Medinstrument"-171223, 171226 & 171285.
 Nazir, C. P.-171152.
 Nederlandse Organisatie Voor Toegepast-Natuurwetenschap-pelijk Onderzoek Tno.-171399.
 Neff Gewindespindeln GmbH-171559.
 Nehezvegyipari Kutató Intézet-171736.
 Nery, G. A.-171419.
 Nestle OY.-169985.
 Neurosonics, Inc.-170671.
 Newly Weds Foods, Inc.-170212.
 Nikam, L. S.-171075.
 Nippon Chemiphar Co.-170699.
 Nippon Shokubai Kagaku Kogyo Co. Ltd.-170122.
 Nissei Asb Machine Co. Ltd.-170026.
 Nitro Nobel AB-171219.
 Noble Chematur-171254.
 Noble J. B.-171614.
 Norpharmco Inc.-171745.
 Norsolor-169984, 170234 & 171086.
 Northern Telecom Europe Ltd.-171467 & 171468.
 Norton Co.-170641 & 171304.
 Novo Nordisk A/S.-171690.
 Nukem GmbH-170013, 170014, 171031 & 171442.
 Nysen, P. A.-171133.

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O I—Neg TV Products, Inc.-169908, 169909, 170366 & 170670.
 Obermeyer, H. K.-170849.
 Officine Meccaniche Riva S.r.l.-171683.
 Oil & Natural Gas Commission-171288.
 Onoda Cement Co. Ltd.-171164.
 Opti Patent-Forschungs-Und Fabri Kations, Ag.-171558.
 Orszagos "Frederic Joliot-Curie" Sugarbiológiai És Sugáregesegügyi Kutató Intézet-170317 & 171733.
 Ostermeyer, B.-170804.
 Otto India Pvt. Ltd.-170882 & 171475.
 Owens-Corning Fiberglass Corporation-171079.
 Owens Illinois Closure Inc.-170159 & 170188.
 Owens-Illinois Plastics Products Inc.-170988, 171163 and 171382.

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P. H. Glatfelter Co.-170149 & 171313.
 P. Howard Industrial Pipework Services Ltd.-170883.
 PKA Pyrolyse Kraftanlagen GmbH-170715.
 PPG Industries, Inc.-169950, 171099, 171101, 171102 & 171103.
 Padhi, B.-171703.

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Pal, A. K.-171372.
 Palimo S. A.-170831.
 Palimondal S. A.-169931.
 Palitex Project Co. GmbH.-170373 & 171516.
 Pandrol Ltd.-170226.
 Pandya, B. L.-171754.
 Panickar, G.S.N.-170638.
 Paranjape, P. N. (Shri)-170477.
 Pastor, E. S.-170940.
 Pastor, V. S.-170940.
 Patel, A. H.-171756.
 Patel, C. G.-170998.
 Patel, M.-171703.
 Patel, M. B.-170998.
 Patel, S. B.-170597.
 Paul Wurth S. A.-170454, 170456, 170826, 171257 & 171258.
 Pennwalt Corporation-169861, 170927, 171002 & 171619.
 Permea, Inc.-170064.
 Personal Products Co.-170862, 171033 & 171312.
 Petainer B. V.-171425.
 Peter-Btr Gummiwerke Aktiengesellschaft-170566.
 Peters, A. D.-171144.
 Phillips Petroleum Co.-169867, 169892, 170952 & 171656.
 Piaggio & C.S.P.A.-170737, 170741, 170748 & 170949.
 Pilkington PLC.-170516 & 171678.
 Pillai, P.-170042, 170361, 170376 & 170377.
 Pillai, S.-170042, 170361, 170376 & 170377.
 Plessey Co. PLC., The-170732 & 170758.
 Plotnikov, A.-170232.
 Plotnikov, A. D.-170864.
 Pont-a-Mousson S. A.-171366.
 Popov, N. P.-170232 & 170864.
 Porous Plastics Ltd.-171333.
 Posi-Seal International, Inc.-169935.
 Praj Counseltech Pvt. Ltd.-171073.
 Prakash, R.-171753.
 Pranshankar, S.-171453.
 Prazisions Werkzeuge Ag.-171394.
 Pre-Mac (Kent) Ltd.-170698.
 Primages Inc.-171242.
 Process Scientific Innovations Ltd.-169956.
 Pro-Cord S.r.l.-170024 & 170547.
 Proizvodstvennoe Obiedinenie "Nevsky Zavod" Imeni V. I. Lenina-171206.
 Proizvodstvennoe Obiedinenie "Novokramatorsky Mashinostroitelny Zavod"-171206.
 Projects & Development India Ltd.-170089, 170644 & 170975.
 Pro-Neuron, Inc.-170048.

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Quality Tubing Inc.-170984.

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R C A Licensing Corporation-170309 & 171659.
 R. Guthrie Research Associates Inc.-171270.
 Railmaster System Incorporated-170266.
 Rak, A. V.-171137.
 Ramani, S.B.K.-171575.
 Ranadive, H. M.-171291.
 Ranbaxy Laboratories Ltd.-170657 & 171020.
 Rangaswamy, A.-169859.
 Rank Taylor Hobson Ltd.-169910 & 170195.
 Rao, K.J.M.-170680.
 Rao, K. S.-170680.
 Rao, V.J.M.-170580.
 Rauma-Repola OY.-171651.
 Rautenberg, L.J.-170772.
 Reckitt & Colman Products Ltd.-170280.
 Redicon Corporation-170763.
 Refco Icematic Co. Pvt. Ltd.-170005.
 Regents of the University of California, The-171598.
 Reilard, U.-170572.
 Reseal International Ltd. Partnership-170977.
 Research Foundation for Microbial Diseases-169960.
 Revskoi, A.K.-171137.
 Rhone-Poulenc Chimie-169905, 169962 & 170892.
 Rhone-Poulenc Films-169871, 170543 & 170692.
 Richardson Chemical Co.-170203.
 Richter Gedeon Vegyeszeti Gyar, R.T.-169862, 170846, 170979 & 171700.
 Rieter Machine Works Ltd.-170418.
 Roads & Traffic Authority of New South Wales-171554.
 Robert Bosch GmbH.-170534 & 170571.
 Rockwell International Corporation-171438.
 Rohm and Haas Co.-171260.
 Rosemount Inc.-170265.
 Routh, M.K. 171702.
 Royal Ordnance Plc.-170752.
 Rozenberg, M.E.-171137.
 Rudolf Hausherr & Shone GmbH. & Co. KG.-171317.
 Rutgerswerke Aktiengesellschaft-170362.
 Rwedea Aktiengesellschaft Furminerallol undchemie-170217.
 Ryan Investments B.V.-170380.

—S—

SAB Nife AB.-169881.
 S A M M-Societe D'Applications Des Machines Motrices-171175 & 171179.
 S C M Corporation-170771.
 SKF Textilmaschinen-Komponenten GmbH.-170711 & 170921.
 SMS Schloemann-Siemag Aktiengesellschaft-170153, 170196 & 170340.
 S P X Corporation-171611.
 STC PLC.-170223 & 170834.
 Saarsstickstoff-Fatol GmbH.-170675.
 Sabater, A.G.-170940.
 Saes Getters S.P.A.-169971.
 Safety (Aircraft & Vehicles) Equipment Ltd.-170786.
 Salem Resources Pvt. Ltd.-170372.
 Salford University Civil Engineering Ltd.-171272.

- Samancor Ltd.—170370.
 Samhwa Electric Industrial Co.—170586.
 Sandaco, S.A.—170260.
 Sanden Corporation—170004, 171408 & 171413.
 Sandoz Ltd.—171492.
 Sandvik Aktiebolag—171048 & 171052.
 Sanjeev, S.R.—170379.
 Sankaran, V.—170315.
 Santa Barbara Research Centre—170080.
 Satake Engineering Co. Ltd.—170922.
 Sawant, V. K.—170241.
 Schellstede, H.J.—171144.
 Schlotter, G. (Mrs.)—170056.
 Schlumberger Industries—170183.
 Schmoock, H.—170951.
 Schroders, T.—169900.
 Schubert & Salzer Maschinenfabrik Aktiengesellschaft—170049, 170187, 171461, 171508 & 171718.
 Schutz-Werke GmbH & Co. KG.—170393.
 Schweizerische Isola-Werke—170350, 170382 & 170587.
 Schwihaag Gesellschaft für Eisenbahnoberbau mbH.—170374.
 Schwolsky, P.M.—171695.
 Scimat Ltd.—170214.
 Secretary of State for Defence, in her Britannic Majesty's, The 170006 & 170105.
 Secretary of State for Trade and Industry in her Britannic Majesty's, The—170584.
 Seibu Polymer Kasei Kabushiki Kaisha—171591.
 Senanayake, D.R.—170019 & 170115.
 Sepracor, Inc.—171090.
 Serck Baker Ltd.—171235.
 Seth, N.K.—171572.
 Shah, M.D.—171539.
 Shah, S.H.—171121.
 Shalimar Comptech Pvt. Ltd.—170894.
 Shankar, T.N.U.—171271.
 Sharma, A. (Dr.)—170769.
 Sharma, G.S. 169888.
 Sharma India Commercial Ltd. M/S.—171284.
 Shell Internationale Research Maatschaap B.V.—170003, 170009, 170028, 170062, 170222, 170269, 170406, 170453, 170514, 170625, 170697, 170743, 171332, 171621 & 171627.
 Shell Oil Co.—171402.
 Shengcal, Z.—170057.
 Shet, G.V.—171730.
 Shinkohjinkasei Co. Ltd.—170052.
 Shree Krishnakeshav Laboratories Ltd.—169946, 170742 & 171286.
 Shri Ram Fibres Ltd.—169854.
 Shri Ram Institute for Industrial Research—171046.
 Slebe Gorman & Co. Ltd.—170578.
 Siemens Aktiengesellschaft—169897, 170083, 170120, 170256, 170775, 170933, 170976, 171001, 171059, 171078, 171089, 171093, 171209, 171210, 171315, 171444 & 171445.
 Sicpa Holding S.A.—170728.
 Silkbell Ltd.—170355.
 Simon-Macawber Ltd.—170007.
 Simplex Castings Ltd. M/S.—170134.
 Sintra, C.—170913.
 Skege AB.—171452.
 Smith & Loveless, Inc.—170876.
 Smith Brother (Whitehaven) Ltd.—170414.
 Smiths Industries Public Ltd. Co.—170734.
 Snamprogetti S.P.A.—170000.
 Snell, T.B.—170434.
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REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911

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- Class 1. No. 165368. Softpack Computers, Indian proprietary Firm of 9, Rajaigandha Shopping Centre, Gokuldham, Goregaon (East), Bombay-400063, Maharashtra, India. "Anti Virus Card". February 18, 1993.
- Class 1. No. 165439. Super Parts Ltd., 39, Community Centre, Kailash Colony, Zamrudpur, New Delhi-110048, India, Indian Company. "Lid of gas appliances and cooking range". March 22, 1993.
- Class 1. No. 165482. Geon Industrial Syndicate Ltd. of 28, South Road, Allahabad 211001, U.P., India, Indian Company. "Torch". March 30, 1993.
- Class 1. No. 165484 Polar Fan Industries Ltd., of Peddar Point, 113, Park Street, 8th floor, Calcutta-700016, W.B., India, Indian Co. "Disc for ceiling fan motor body". March 30, 1993.
- Class 1. Nos. 165606 to 165608, Reico Electronics Electricals Ltd. of Shivnagar Estate, Block 'A' Dr. Annie Besant Road, Worli, Bombay-400 018, Maharashtra, India, Indian Company. "Lighting fixture". May 3, 1993.
- Class 1. No. 165612. Bala Kishan Javar, Gunduvarl Street, Rajahmundry, A.P., India, Indian. "Singasan". May 3, 1993.
- Class 1. No. 165723. Wellman Incandescent India Ltd., Indian Company of 7, Pretoria Street, Calcutta-700 071, W.B., India. "Resilient couplings". June 8, 1993.
- Class 1. No. 1655831. Roshan Lal Kurera, Indian of Katras Road, Uhanbad, Bihar, India. "Structural cog". July 2, 1993.
- Class 3. No. 165590. Safari Industries (I) Ltd., 107/O, Khetani Textile Compound, Bazarward, Kurla, Bombay-400 070, Maharashtra, India. "Briefcase". April 28, 1993.
- Class 3. No. 165657. Milton Plastics Ltd. of 58D, Government Industrial Estate, Charkop, Kandivli (W), Bombay-400 067, Maharashtra, India. "Water Bottle". May 27, 1993.
- Class 3. No. 165740 Mahendra Shivdas Patel Trading as Cell-tone Appliances of Parmar House, Ramchandra Lane Extn., Malad (W), Bombay-400 064, Maharashtra, India. "Gas Lighter". June 9, 1993.
- Class 3. No. 166119. National Plastic Products, Indian Partnership Firm of D-9, Sector 8, U.P., India. "Vegetable Dryer". September 3, 1993.
- Class 4. No. 165632. Norton Chemical Process Products Corpn., of 3855 Fishcreek Road, Stow, Ohio 44224, U.S.A. "Structural tower packing with catalytic and mass transfer application".

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